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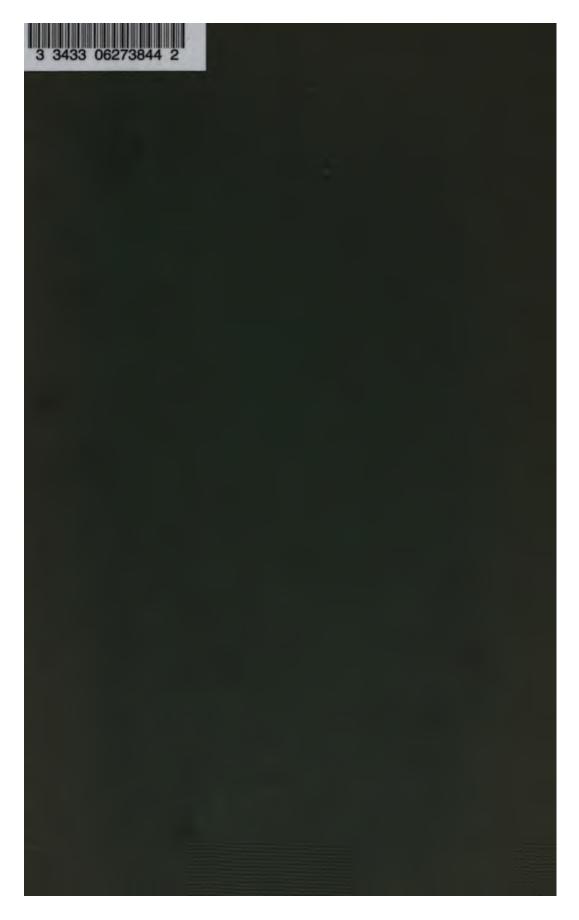
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### SEVENTEENTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

# BIRTHS, MARRIAGES, AND DEATHS

IN MICHIGAN,

FOR THE YEAR 1883.

BY THE

## SECRETARY OF STATE,

OF THE

STATE OF MICHIGAN.



BY AUTHORITY.

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MICHIGAN,
DEPARTMENT OF STATE,
OFFICE OF THE SECRETARY,
Aug. 20, 1885.

HON. RUSSELL A. ALGER, Governor of Michigan:

SIR,—In compliance with the requirements of the laws of this State, I have the honor to submit herewith the Seventeenth Annual Report on Births, Marriages, and Deaths, returned for the year ending December 31, 1883.

Some important changes have been made in the present Report, which it is hoped will be an improvement over the previous ones. A few of the tables, which required much time and labor in their compilation, and which were not generally understood, have been omitted entirely. Others are presented in a more compact form, although losing none of their real value; while other facts and figures which were heretofore given in tabulated form will be found only in the editorial comments. It has been the aim to include in the present volume only the really essential facts which are worth preserving, leaving out all theorizing matter which might have been interesting to a few, but was hardly appreciated by the general reader.

Under the present system of enumerating births and deaths after the year in which they occurred has passed, doubtless some are overlooked. For this reason exact mathematical accuracy cannot be claimed for the numbers which represent the three important items of births, marriages, and deaths. Care has been taken throughout the Report to use such terms as would convey the idea of numbers returned, and not those which actually occurred. A method of correction has been devised, which is believed to approximate very nearly to the actual number of births and deaths. This system of correction has been used for a number of years, and has been fully explained in previous Reports. These statistics are gradually becoming more accurate, but in some particulars the law providing for their collection might be improved. An effort was made during the session of the Legislature of 1885 by some friends who are interested in the subject, to change the law and thus remedy some of its present defects. A bill for the amendment of the law was accordingly prepared, and received the recommendation of the committee on State Affairs in the Senate, but for some reason it failed to become a law. This bill made it the duty of every person having charge of a birth or death to furnish for record with the township clerk all the facts connected therewith required by law, and also made it the duty of parents or eldest person next of kin to

record births and deaths, or ascertain that record had been made immediately after their occurrence. Had this bill become a law it would probably have resulted in more complete and accurate returns, an end much to be desired, and one which it is hoped will some day be attained.

It is quite gratifying to state that the present Report is ready for distribution at an earlier period of the year than usual. The amount of labor and investigation required in preparing a document of this kind is not generally understood. Considering the fact that the returns annually tabulated number over seventy thousand, and by the various combinations of the tables, aggregate many times that number, and that the tables must all be completed before the special work of commenting can begin, it is certainly not discreditable that the present volume has been completed and published within a year from the time when the returns were received.

The returns of births, marriages, and deaths received from the county clerks for the year 1883, and the punctuality with which they were forwarded to this office in the majority of cases, merit in general much commendation. A few exceptions however occurred, which caused the department more or less trouble. For instance, the returns of births and deaths from Mackinac county for the year 1883, which should have been at this office by the first of September, 1884, were not received by us until the first of February, 1885. It is earnestly hoped that delays of this kind will be avoided in the future if possible. Aside from these, there is much to commend, not only in the preparation and transmission of the returns, but also in the readiness to correct by correspondence any defects which have been discovered.

The compilation of the State census of 1884 not being completed, it has been necessary to use again the census of 1880 as a basis for calculation.

The tables and the remarks upon them in the present Report have been prepared with much care and labor, and may be relied upon for their fidelity and accuracy.

Respectfully submitted,

Secretary of State.

## BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1883.

The results of registration expressed in figures, and showing the total number of births, marriages, and deaths which have been transmitted to the Department of State by the county clerks for the year 1883, are given in Exhibit A.

It appears that in the year 1883 there were recorded 40,809 births, 16,420 marriages, and 16,906 deaths; or 3,783 more births, 242 more marriages than were originally returned in 1882, the number being 16,178, and 481 more deaths than in the preceding year. It will also be observed that the average annual number of marriages for the ten years 1873-1882 was 13,421, which is 2,999 less than was returned for the year 1883. The average annual number of births for the ten years 1873-1882 was 34,173, a number less by 6,636 than was reported for 1883. The average annual number of deaths for the same period of years was 14,318, which is less by 2,588 than was returned for 1883, and less by 4,920 than was returned for the year 1881.

The natural increase of population, or excess of births over deaths, was 23,903, or 3,302 more than for the year 1882, and 4,048 more than the

average for the ten years 1873-1882.

As compared with other years, the returns of births and marriages show a considerable increase, while the number of deaths is less than in 1881, although more than for any other year. The large increase in the number of deaths for 1881 was the result of the fatal epidemics of diphtheria and scarlet fever which prevailed to such a wide extent over Michigan during that year. The natural increase of population, or excess of births over deaths, was more than for any year since the registration began in this State. The showing in regard to births and deaths when corrected for omissions should be taken with some caution, because the correction is based upon certain hypotheses which may be more or less erroneous, and hence modify the accuracy of the method of correction.

EXHIBIT A.—Births, Marriages, and Deaths Returned as having occurred in Michigan during each of the Years 1880 to 1883, inclusive, including those in unknown Month, as Returned, and as Corrected for Omissions in the Enumeration.

		1880.	1881.	1882.	1883.	Average, 10 Years 1873-82.
	Marriages	14,985	15,838	16,708	16,420	13,421
As Returned.	Births	35,323	34,749	37,026	40,809	34,178
etur.	Deaths	16,102	19,238	16,425	16,906	14,318
æ	Excess of births over deaths	19,221	15,511	20,601	23,903	19,855
. 5 E	Births	50,643	49,800	49,813	56,215	49,539
As Corrected for Omissions.	Deaths	26,256	27,387	27,306	23,640	21,482
Omi Omi	Excess of births over deaths	24,387	22,413	22,507	32,575	28,057

<sup>·</sup> Corrected for additional returns up to Dec. 22, 1884.

EXHIBIT B .- Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1879-1883, inclusive.

·	1879.a	1880.0	1881.c	1882.∘	1883.•
Inhabitants represented by returns of marriages to one marriageb	95.50	89.46	103.31	97.91	99.65
In population, represented by marriages, males to one marriage. In population, represented by marriages, females	49.91	46.75	54.42	51.58	52. <b>4</b> 9
to one marriage	45.59	42.71	48.88	46.33	47.15
returned	38.76	46.07	46.90	44.11	40.02
Inhabitants, males to each male child returned	28.90	46.61	47.82	44.85	40.57
Inhabitants, females to each female child returned	38.71	45.65	46.08	43.41	39.58
Inhabitants represented by deaths to one death	91.49	100.86	84.31	99.34	96.59
Inhabitants, males to one death of male	91.53	98.86	83.18	98.68	94.48
Inhabitants, females to one death of female	91.95	103.84	86.23	100,85	99.78
Deaths, males to 100 females	109.84	116.67	115.19	113.69	117.40
Births, males to 100 females	108.83	108.79	107.13	107.83	108.52
Total population of State, males to 100 females	109.47	111.33	111.33	111.33	111.33
Births to one death	2.37	2.19	1.81	2.25	2.41
Births, males to one death of male	2.36	2.13	1.75	2.20	2.33
Births, females to one death of female	2.28	2.28	1.88	2.32	2.5
not stated	48.00	62.00	61.00	60.00	81.00
stated	37.00	47.00	65.00	48.00	57.00
and deaths returned	54.01	52.52	42.49	56.44	66.00
turns of births and deaths are corrected for omissions in the enumeration	80.95	66.63	61.41	61.66	89.00

In computing statements for this column, the population of 1874 was used.
 Marriages corrected for additional returns up to Dec. 22, 1884.
 In computing statements for this column, the population of 1880 was used.

Exhibit B is similar to that in previous Reports with the data of 1883 added. It is prepared for the purpose of studying the various relations between births, marriages, deaths, and inhabitants during each of the years 1879–1883. In the computations for the year 1879 the population in 1874 was used, and in the statements for the years 1880–1883, the population in 1880 was used as the basis of calculations. The increase in population from year to year should be considered when the estimates are compared with those of previous years. The average annual rate of increase in the population between the two census years 1870 and 1880, was 3.291 per cent. Using this as the rate of increase for the present period, the estimated population of Michigan for the year 1883 would be 1,803,928. This estimate is not far from correct as the total population in 1884, according to the first count of the census, is 1,856,100.

Exhibit B also shows that one child was born to every 40 persons of the population, that one marriage was solemnized to every 100 persons, and that one death occurred to every 96 persons. The rates of births, marriages, and

deaths to 1,000 of population, for the year 1883, were as follows:

In Exhibit C will be seen the rate of increase of population in some of the leading European nations, and also in Massachusetts and Michigan. The rates for Michigan are obtained from the returns of births and deaths as corrected for omissions in the enumeration.

EXHIBIT C.—Rates of Births, Marriages, and Deaths in Various Countries, 1860-1880.

	1	AVERAGE	-1860-1879			1	880.	
COUNTRIES.	Birth-rate.	Death-	Excess of Birth- rate over Death- rate.	Mar- riage- rate.	Birth-rate.	Death-	Excess of Birth- rate over Death- rate.	Mar- riage- rate.
Michigan					31.1	16.2	14.9	17.9
Massachusetts	26.2	19.7	6.5	18.9	24.8	19.8	5.0	17.4
England and Wales	35.4	22.0	13,4	16.6	34.2	20.5	13.7	14.9
Denmark	31.2	19.7	11.5	15.4	31.8	20.4	11.4	15,2
Sweden	31.2	19.2	12.0	13.6	29.4	18.1	11.3	12.6
Austria	39.9	30.8	9.1	17.2	37.3	29.6	7.7	15.1
Prussia	38.6	26.5	12.1	17.2	37.9	25.5	12.4	15.4
Netherlands	35,4	24.6	10.8	16.2	35.6	23.6	12.0	15.0
France	26.0	23.6	2.4	15.9				
Hungary	42,6	38.9	3.7	20,8	42.9	38.6	4.3	18.2
Switzerland	31.6	24.0	7,6	15.3	29.6	21.9	7.7	13.6
Italy	37.2	29,9	7.3	15.2	33.6	30.5	3.1	13.8
Spain	37.2	29.7	7.5	15.1				
German Empire	39.8	27.0	12.8	17.7	37.7	26.1	11.6	15.0

<sup>\*</sup> For 19 years. † 13 years. ‡ 9 years. § 10 years. | 17 years. ¶ 8 years.

EXHIBIT D.—The Number of Marriages, Births, Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1883, and the Average Number and Excess during Specified Periods of Time within the Year as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.

	PERIODS OF TIME,—1883.	Marriages, 1883.	Births, 1883.	Deaths, 1883.	Excess of Births over Deaths.
1	Year 1883	16,420	40,809	16,906	23,903
ed.	Quarter	4,105	10,202	4,227	5,975
Returned.	Month	1,368	3,401	1,409	1,992
Ret	Week	368	785	325	460
	Day	45	112	46	66
. 113	Year 1883b		56,215	23,640	32,575
as Corrected.	Quarter		14,054	5,910	8,144
rrec	Month		4,685	1,970	2,718
Co	Week		1,081	455	620
BE	Day		154	65	85

The facts presented in Exhibit D show the number of births, marriages, and deaths, during the year 1883, for certain specified periods of time. It will be observed that the average number of marriages per day was 45, the average number of births per day 112, the average number of deaths 46, and the average excess of births over deaths 66 persons per day. These results are often better

understood when given for short periods of time as above.

Exhibit E shows, by months, the number of births, the number of deaths, and the excess of births over deaths for each of the years 1878-1883, the number of births and deaths in unknown month being excluded. The average excess for ten years, 1874-1883, was 20,212, while the excess for the year 1883 was 23,910, showing the year 1883 to be more than an average one as regards the natural increase of population. In the average excess for the ten years, the month of December has the largest number, but in the year 1883 the month of October has the largest number. The least excess in the average occurs for the month of February, while the least excess for the year 1883 is in January.

<sup>\*</sup> Unknown month included.

b Corrected as if enumerated in months of occurrence.

EXHIBIT E.—By Months, the Births, Deaths, and Excess of Births over Deaths, according to the Returns, in Michigan during each of the Years 1878-1883, inclusive.

		Total.a				1		MONTHS	THS.	1		1		
	The second second		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept,	Oct.	Nov.	Dec.
	Births	35,130	2,201	2,414	2,836	2,937	2,805	2,797	2,835	3,295	3,260	3,266	3,061	3,423
1878	Deaths	19,749	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,309
	(Excess of births	22,388	1,471	1,625	1,906	1,908	1,882	1,927	1,818	1,924	716,1	9,076	1,880	2,05
	Births	34,092	2,420	2,331	2,758	2,706	2,849	2,626	8,018	8,198	3,149	3,036	2,766	3,933
1879	Deaths	14,866	908	993	1,114	1,174	1,083	305	1,183	1,537	1,403	1,286	1,268	1,52
	Excess of births	10,726	1,526	1,339	1,644	1,532	1,759	1,724	1,835	1,661	1,746	1,750	1,498	1,718
	Births	182,387	2,355	2,513	2,850	2,824	2,880	2,772	3,011	3,285	8,278	3,173	8,008	3,278
1880	Deaths	16,059	860	1,002	1,149	1,289	1,166	1,036	1,537	1,780	1,676	1,471	1,486	1,61
	Excess of births	10,228	1,495	1,511	1,701	1,535	1,714	1,736	1,484	1,505	1,602	1,702	1,582	1,66
	Births	34,715	2,393	2,432	2,835	2,805	2,887	9,719	8,027	3,313	3,204	3,078	2,854	8,17
1881	Deaths	19,172	1,065	1,078	1,815	1,427	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,74
	Excess of births	15,547	1,828	1,354	1,520	1,878	1,430	1,436	1,326	1,067	963	1,137	1,237	1,48
	(Births	36,985	2,486	2,536	3,004	3,059	3,031	2,733	3,100	3,521	3,444	3,379	3,215	3,47
1889	Deaths	16,347	978	1,171	1,372	1,811	1,480	1,264	1,284	1,453	1,545	1,498	1,421	1,57
	Excess of births	20,638	1,508	1,365	1,632	1,748	1,551	1,469	1,816	2,068	1,809	1,881	1,794	1,90
	Births	40,767	2,654	2,734	8,312	8,455	3,667	3,833	8,576	3,765	3,694	3,664	3,358	3,55
1883	Deaths	16,857	1,066	1,134	1,374	1,500	1,430	1,254	1,439	1,651	1,613	1,401	1,397	1,598
	Excess of births	23,910	1,588	1,600	1,938	1,955	2,237	2,079	2,137	2,114	2,081	2,263	1,961	1,957
nthly aver	Monthly averages of excess for 1874 to 1883, inclusive	20,212	1,456	1,425	1,672	1,655	1,740	1,745	1,784	1,719	1,680	1,777	1,723	1,836

a Unknown month excluded.

EXHIBIT F.—Showing, by Sex, the Population in 1880, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1883, according to the Returns.

STATE	Popu	POPULATION, 1890.	.08			Віктня, 1883.	, 1883.			DEATHS, 1883.	, 1883.		Excress	Ехсвев ог Вівтив очев Deaths.	S OVER D	KATHS.
QWA		8	Swx.	Marriagos,			SEX.				SEX.				SEX.	
COUNTIES.	Total.	Males.	Females.		Total.	Males.	Fe- malcs.	Un- known.	Total.	Males.	Fe- males.	Un- known.	Total.	Males.	Fe. males.	Un- known.
STATE	1,636,937	862,335	774,582	16,420	40,809	21,196	19,532	18	16,906	9,101	7,748	. 57	23,903	12,095	11,784	75
Alcona	3,107	1,945	1,162	SS.	31	4.	11		71	80	9		71	9	n	
Allegan	37,815	19,732	18,083	₹ 88	876	8	98		323	193	157		224	282	239	:
Alpens	8,789	5,161	3,628	148	370	195	175		ğ	8	4		366	133	131	
Antrim	5,237	2,867	2,370	75	207	ᅙ	303	-	2	37	33	-	137	29	92	
Arenac				71	102	51	8	-	8	81	91	-	ន	ន	ಹ	
Baraga	1,804	1,036	768	or	99	32	31		25	20	11		35	13	11	
Barry	25,317	13,284	12,033	202	984	314	242		188	8	<b>22</b>		88	111	751	
Bay	38,081	21,098	16,983	253	1,506	752	754		511	980	251		892	492	203	
Benzie	8,433	1,962	1,571	31	115	28	95		128	ន	8		8	31	81	
Berrien	36,785	18,805	17,980	254	629	336	323	-	272	136	134	93	387	200	188	-1
Branch	27,941	14,240	13,701	292	448	241	306	-	233	117	116		212	121	8	-
Osthoun	38,452	19,599	18,853	88	168	938	341	7.	364	28	139	22	8	9#1	382	-1
Cass	22,000	11,350	10,659	203	350	172	148		132	7.5	28	i	88	<b>88</b>	8	;
Oharlevoix	5,115	2,743	2,372	<b>8</b> 8	<b>28</b> .	88	91		<b>8</b> 2	87	9		103	61	#	
Cheboygan	6,524	3,760	2,764	&	823	121	115		¥	<b>2</b>	21		176	88	\$	
Chippewa	5,248	2,906	2,342	37	175	88	83		72	<b>\$</b>	35	-	101	43	83	
Clare	4,187	2,793	1,394	31	84	42	45		23	13	<b>6</b> 0		98	23	37	;
Clinton	28,100	14,657	13,443	203	<b>4</b> 80	223	183		226	113	113		234	116	118	•

Crawford	1,130	889	927	8	ä	77	11		=	60	9		-	•	4	
Delta	6,812	4,173	2,640	103	268	143	126		\$	88	17		219	110	100	
Enton	31,225	16,073	15,153	77.	200	301	202		976	340	181		322	136	166	:
Emmet	6,639	3,544	3,005	8	162	26	8		8	98	8		20	¥	81	:
Genesee	39,230	20,042	19,178	333	687	319	88	01	蓄	104	139	-	393	185	202	1
Gladwin	1,127	240	878	7	17	6	20		9	ø	80	i	=	9	ĸ	
Grand Traverse	8,432	<b>4</b> ,608	8,814	82	蠹	148	33	-	128	8	61		158	8	74	-
Gratiot	21,936	11,687	10,249	808	184	243	243	-	57	93	18	-	317	150	167	:
Hillsdale	82,723	16,544	6,179	377	478	246	ឌ	-	888	140	127	H	310	901	30	:
Houghton	22,473	12,243	10,231	221	386	210	174	-	252	133	118	-	뚕	377	356	:
Huron	20,080	10,714	9,375	155	782	307	88	:	179	96	11		610	305	808	!
Ingham	33,676	17,309	16,277	787	719	758	8		88	159	144		241	105	136	
Ionia	33,872	17,974	15,808	312	574	276	20		8	138	130	-	306	138	168	7
Iosco	6,873	4,097	2,776	8	337	183	751	-	89	29	45		228	115	112	1
Isabella	12,159	6,603	5,557	126	907	98	202	-	छ	92	88	-	243	121	119	:
Isle Royal	13	31	ಸ			:			i		:					:
Jackson	42,031	21,833	20,198	456	861	83	83		33.	175	179		200	247	260	:
Kalamazoo	34,342	17,843	16,990	88	226	925	8	i	758	183	171		202	93	100	
Kalkaska	2,937	1,617	1,320	21	25	8	8		82	15	==		8	20	ន	
Kent	73,253	38,014	35,239	881	1,982	1,041	076	-	<b>6</b>	445	<b>S</b>	-	1,133	206	537	
Комеепам	4,270	2,396	1,874	31	274	148	38		19	7	æ		213	107	106	
Lake	3,233	1,941	1,202	S	110	24	8	i	ន	=	ន		87	46	41	
Lapeer	30,138	15,827	14,311	262	652	88	310	-	242	121	130	-	410	1112	199	
Leelanaw	6,233	3,388	2,865	87	150	7.	92	į	88	£	8		88	31	37	
Lenawee	48,343	24,231	290'18	475	199	æg Eg	326		88	188	191		284	149	133	
Livingston	22,251	11,620	10,631	156	97.8	181	145		134	11	22	_	86	104	<b>2</b> 6	:

· The figures with the minus sign placed before them indicate the excess of deaths over births.

VITAL STATISTICS OF MICHIGAN, 1883.

EXHIBIT F.—CONTINUED.

	Port	POPULATION, 1830.	330.			BIRTHS, 1883.	1, 1883.			DEATHS, 1883.	s, 1883.		Excuss	OF BIRTI	IS OVER ]	EXCRES OF BIRTHS OVER DEATHS.
COUNTIES.	:	S.	SEX.	Marriages,			SEX.				SEX.				SEX.	
	Total.	Malcs.	Females.		Total.	Males.	Fe. males.	Un. known.	Total	Males.	Fe- males.	Un. known.	rotal.	Males.	Fe. males.	Un. known.
Mackinac	2,902	1,689	1,213	ಸ	23	11	ផ		7	10	61		81	11	ន	
Macomb	31,627	16,157	15,470	253	Ş	\$	723		78	174	160		88	83	191	
Manistee	12,533	6,969	5,563	020	85 85	381	98	-	103	118	8	-	78	213	181	
Maniton	1,334	718	919	89	31	23	63		29	=	-	-	4	61	01	
Marquetto	25,304	14,760	10,634	287	1,139	7893	287		380	켮	126		677	878	10#	
Mason	10,065	5,659	4,406	144	315	147	28		107	æ	45		808	æ	য়	
Mecosta	13,973	7,626	6,347	នេះ	874	213	162	!	174	83	28		900	116	<b>≵</b>	
Menominee	11,987	8,000	3,987	191	23	83	207	01	133	11	28	:	300	146	152	61
Midland	6,893	3,780	3,113	88	33	108	#		<b>28</b>	41	7		26	61	8	
Missaukee	1,553	843	119	51	8	43	3		13	31	98		88	=	2	
Monroe	33,624	17,250	16,374	387	366	967	88	61	808	149	119		88	777	810	C1
Montcalm	33,148	18,321	14,827	328	129	337	33.		371	38	121		83	217	213	
Montmorency				-	প্ল	11	2		•	7	69		91	23	**	
Muskegon	26,586	14,784	11,802	387	1,017	£03	524		270	145	121	7-4	17.	848	<b>Ş</b>	7
Newaygo	14,688	8,376	6,312	173	<b>4</b>	83	8		152	88	38		88	164	187	
Oakland	41,537	21,327	20,210	315	83	321	200	8	<b>4</b> 03	219	183	-	725	102	81	69
Oceana	11,699	6,444	5,255	81	900	157	147	23	101	8	섫		8	16	118	۰۵.
Ogemaw	1,914	1,163	246	15	3	ន	22		12	G	B		88	92	21	
Ontonagon	2,565	1,335	1,230	11	F	\$	33		27	11	2		8	ន	21	
Osceola	10,777	6,015	4,762	143	<b>3</b> 5	210	167	7	124	11	9	4	88	130	811	8
Oscoda	194	188	176	21	81	6	6		9	ю.	_		 g	-	<b>∞</b>	

	•			7			-	တ	:		-	61	!	
12	88	19	7	082	<b>8</b>	-	149	977	88	216	150	118	1,257	13
21	307	8	7	518	288	11	134	798	129	792	101	152	1,361	9
3	200	116	-	1,106	574	13	<del>18</del> 8	513	218	584	351	272	2,618	101
	တ			12			-		2	-			-	
g	365	83	*0	354	98	9	73	316	116	អ្ន	8	<del>1</del> 91	1,192	<b>3</b>
25	超	<b>3</b>	2	<b>418</b>	% —.	2	8	247	121	122	88	178	1,547	8
<b>\$</b>	798 88	28	S.	764	161	=	172	<u> </u>	242	240	184	342	2,740	<b>7</b> 01
<u></u>	~			11			61	•	2	7	-	61	-	
\$	<b>4</b> 61	88	0	913	88	2	77	<b>46</b> 2	306	833	255	288 288	2,419	103
8	103	88	1	930	788	10	233	211	250 200	383	279	330	2,908	102
<b>88</b>	8	52	5	1,860	765	ង	456	976	09#	22.	535	614	5,358	302
ឌ	98	21	71	629	061	133	£	377	330	241	283	333	1,561	75
887	15,654	1,412	883	27,203	12,318	478	118,21	22,275	13,110	12,094	15,050	20,598	83,527	2,912
1,137	17,473	1,701	1,096	31,803	14,023	1,097	14,248	23,922	13,516	13,644	15,757	21,250	82,917	3,903
1,074	33, 126	3,113	1,459	59,095	26,341	1,575	27,060	46, 197	26,626	25,738	30,807	41,848	166,444	6,815
Otsego	Ottawa	Presque Islo	Roscommon	Saginaw	Sanllac	Schoolcraft	Shia wassec	St. Clair	St. Joseph	Tuscola	Van Buren	Washtenaw	Wayne	Wexford

The figures with the minus sign placed before them indicate the excess of deaths over births.

#### BIRTHS, 1883.

The number of births returned as having occurred in this State in 1883 was 40,809. This number is considerably larger than has been returned for any year since the registration began in 1867, being 3,783 larger than was reported for the year 1882, and 8,318 larger than the average for the thirteen years 1870–1882.

The population of Michigan, according to the U. S. Census of 1880, was 1,636,937. When 3,877 is subtracted, being the number of inhabitants from whom no returns of births were received, we have 1,633,060 as the number of inhabitants represented by the returns of births for 1883. It will be observed, therefore, that one child was born to every 40 persons in the State, and 24.99 births to every thousand of the people. The birth-rate for the year 1883 is somewhat larger than for the previous years.

The following tabular exhibit shows, according to our estimations, the per cent of births returned and the per cent of births added as a correction for omissions in the enumeration for each of the years 1874–1883. It will be noticed that the year 1883 was a little better than an average one as regards the per cent of births returned, the per cent for 1883 being 72.57, while the average per cent for the ten years 1874–1883 was 68.84.

YEARS.	Per Cent of Births Returned.	Per Cent of Births Added as Correction for Omissions.
1874	55.75	79.37
1875	68.61	45.76
1876	75.73	32.04
1877	66.47	50.44
1878	67.41	48.34
1879	68.05	46.91
1880	69.73	43.42
1881	69.76	43.35
1882	74.31	34.57
1883	72.57	37.79
Av. for 10 years	68.84	46.20

According to the plan of correction for omissions in the enumeration which has been adopted in previous Reports, the number of births returned for 1883 should be increased by about 37 per cent in order to equal the number which actually occurred. This system has its defects and does not always indicate the true number, as, when the birth-rate is unusually increased it tends to make the numbers as corrected too small, and when the birth-rate is much decreased its tendency is to make them too large. As long as the birth-rate continues about the same, from year to year, the system seems practicable. As seen in the following tabular exhibit, the birth-rate, when thus corrected, was 3.44 for every hundred of the inhabitants, or 34.40 for every thousand.

	1883.		Births Corrected		OF BIRTHS BITANTS.
SEX.	Represented by Births in		for Omissions in Enumer- ating.	Births as Returned.	Births Corrected for Omissions.
Total	1,633,060	40,809	56,215	2.49	3.44

The number of births per quarter, per month, per week, and per day, during the year 1883, may be seen in the following tabular exhibit:

PERIODS OF TIME.	Births as Returned.	Corrected for Omissions.	Corrected with 46.20 Per Cent.
Per quarter	10,202	14,054	14,916
Per month	3,401	4,685	4,972
Per week	785	1,081	1,147
Per day	112	154	163

Table 1 shows the number and proportion of births returned as having occurred in each quarter of the years 1880-1883, and also the average for ten years 1873-1882. As is the case with each of the preceding years, except 1882, the largest proportion of births is returned for the quarter of the year ending with September, the next largest for the quarter ending with December. This is also true for the average. According to the returns, more births occur in the last six months of the year than in the first six months, about 45 per cent of the births occurring in the first half, and 55 per cent in the last half. The lower half of the table shows the births by quarters of the year when corrected for omissions.

TABLE 1.—Births by Quarters of the Year for the Years 1880-1883, and the Average for Ten Years 1873-1882.

TOT	TALS, AND	18	80.	18	81.	18	82.	18	83.		10 Years, -1882.
	WHICH UARTERS END.	Num- ber.	Per Cent of Total.								
Tot	tals	35,323	100.00	34,749	100.00	37,026	100.00	40,809	100.00	34,173	100.00
	March	7,718	21.85	7,660	22.04	8,026	21.68	8,700	21.32	7,305	21.38
od,	June	8,476	24,00	8,404	24.18	8,823	23.83	10,455	25.62	8,242	24.12
Returned.	September.	9,574	27.10	9,544	27.47	10,065	27.18	11,035	27.04	9,377	27.44
Ret	December	9,519	26.95	9,111	26.22	10,071	27.20	10,577	25,92	9,197	26.91
3	Unknown	36	.10	30	.09	41	.11	42	,10	52	-15
Av	eragea	8,831	25.00	8,687	25.00	9,257	25.00	10,202	25.00	8,543	25.00
To	tals	50,643	100.00	49,800	100.00	49,813	100.00	56,215	100.00	49,539	100,00
	March	12,626	24.93	12,502	25.10	12,097	24.28	13,482	23.98	12,103	24.43
lons	June	12,808	25,29	12,675	25.45	12,430	24.95	15,081	26.83	12,620	25.48
Corrected Omfasions.	September.	13,229	26.12	13,172	26.45	13,128	26.36	14,689	26.13	13,099	26.44
As Co	December	*11,944	23.58	11,421	22.93	12,117	24.33	12,921	22.99	11,665	23.55
fo	Unknown	36	.07	30	.06	41	.08	42	.07	52	.10
Av	erage	12,661	25,00	12,450	25.00	12,453	25.00	14,054	25.00	12,385	25.00

<sup>.</sup> The number in unknown quarter of year included.

In Table 2 may be seen the order of the months for each of the years 1881-1883, and the average for ten years. The months which have the greatest number of births are placed first. The highest birth-rate was in August not only for each year in the table, but also for the average. The lowest rate in 1883 was in January, and the same is true for each year and also for the average. It is well to bear in mind the fact, however, that in all probability a smaller proportion of the births are returned for the earlier months of the year, owing to the greater length of time between the occurrence of the births and their enumeration by the supervisors.

TABLE 2.—Births during the Years 1881-1883, inclusive, according to Returns, exhibiting the Number and Per Cent of Total by Months, arranged in Order by Number, Months having the greatest number first.

		1881.			1882.			1883.		AVERAG	e por 10 1873–1882	
	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
ORDER.	Total	84,749	100,00	Total	37,026	100.00	Total	40,809	100.00	Total	34,178	100,00
1	Aug	8,313	9.53	Aug	3,521	9.51	Aug	3,765	9.23	Aug	8,249	9.51
2	Sept	3,204	9.22	Dec	3,477	9.39	Sept	3,694	9.05	Dec	3,207	9.39
3	Dec	3,179	9.15	Sept	3,444	9.30	May	3,667	8.98	Sept	3,198	9.86
4	Oct	3,078	8.86	Oct	3,379	9.13	Oct	3,664	8.98	Oct	3,070	8.98
5	July	8,027	8,71	Nov	3,215	8.68	July	8,576	8.76	July	2,930	8 57
6	Мау	2,887	8.31	July	3,100	8.37	Dec	3,555	8.71	Nov	2,920	8.55
7	Nov	2,854	8.21	April	3,059	8.26	April	3,455	8.47	May	2,810	8.23
8	Mar	2,835	8.16	May	3,031	8.19	Nov	3,358	8.23	April	2,760	8.08
9	April	2,905	8.07	Mar	3,004	8.11	June	3,333	8.17	Mar	2,744	8.03
10	June	2,712	7.80	June	2,753	7.38	Mar	3,312	8.12	June	2,672	7.82
11	<b>F</b> eb	2,432	7.00	Feb	2,536	6.85	Feb	2,734	6.70	Feb	2,315	6.77
12	Jan	2,393	6.89	Jan	2,486	6.72	Jan	2,654	6.50	Jan	2,246	6.57
	Unk	30	.09	Unk	41	.11	Unk	42	.10	Unk	52	.15
	Av	2,896	8.33	Ava	3,086	8.33	Δva	3,401	8.33	Ava	2,848	8.33

<sup>·</sup> Including births in unknown month.

Table 3 shows the order of the months after the returns of births are corrected for the probable omissions in the enumeration. By comparing the two it will be observed that the order of the months is not the same, but the month of August still heads the list, except for the year 1883. The month of November appears to have the lowest rate, both in the average and in the majority of the years of the table.

TABLE 3.—Births during the Years 1881–1883, inclusive, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent of Total, by Months arranged in Order by Number, Months having the greatest Number first.

		1881.			1882.			1883.		AVERAG	E FOR 10 1873-1882	
IR.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total
ORDER.	Total.	49,800	100.00	Total	49,813	100,00	Total	56,215	100.00	Total_	49,539	100.00
1	Aug	4,575	9,19	Aug	4,597	9.25	May	5,288	9.41	Aug	4,544	9.17
2	Mar	4,514	9.06	Mar	4,432	8.90	April	5,100	9.09	Mar	4,436	8.95
3	May	4,353	8.74	April	4,410	8,85	Mar	5,020	8.93	April	4,344	8.77
4	April_	4,348	8.78	Sept	4,379	8.79	Aug	5,013	8,92	Sept	4,328	8.74
5	July	4,308	8.65	May	4,266	8.56	July	4,893	8.70	May	4,299	8.68
6	Sept	4,289	8.61	Oct	4,182	8,40	Sept	4,783	8.51	July	4,227	8.53
7	Jan	4,013	8.06	July	4,152	8.33	June	4,684	8.33	Oct	4,016	8.11
8	Oct	3,990	8.01	Dec	4,066	8,16	Oct	4,609	8.20	June	3,978	8.03
9	Feb	3,975	7.98	Nov	3,869	7.77	Feb	4,244	7.55	Dec	3,954	7.98
10	June	3,974	7.98	Jan	3,837	7.70	Jan	4,218	7.50	Feb.	3,840	7.75
11	Dec	3,852	7.74	Feb	3,828	7.68	Dec	4,211	7.49	Jan	3,826	7.79
12	Nov	3,579	7.19	June	3,754	7.53	Nov	4,101	7.29	Nov	3,695	7.46
2	Unk	30	.06	Unk	41	.08	Unk	42	.03	Unk	52	11
	Ava	4,150	8.33	Av a	4.151	8.33	Ava	4,685	8.33	Av	4,128	8.33

<sup>.</sup> Including births in unknown month.

Table 4 shows the number of births in each county of the State during the year 1883, the number in each month of the year, and the number of each sex respectively. According to the returns, the number of male children born in Michigan during the year 1883, was 21,196. This number is larger by 2,017 than that of 1882, and larger by 3,255 than that of 1881. The number of female children whose births were returned in 1883, was 19,532, which is larger than has been recorded in any previous year and 1,745 larger than was returned in 1882. In every year the births of males in this State have largely exceeded the births of females. For a period of fifteen years from 1868 to 1882, the average excess of male births has been 109 males to each 100 females. For 1883 there were also 109 males to 100 females.

The number of births in 1883, in which the sex was not returned, was 81, which is 21 more than were reported in 1882. Of this number, 14 were returned from Calhoun, 11 from Saginaw, and 7 each from Osceola and Ottawa. A little more care on the part of the enumerators would avoid such incomplete returns.

TABLE 4.—Exhibiting, by Counties and by Sex, the Number of Children Returned as having been Born in Michigan during the Year, and in each Month of the Year ending Dec. 31, 1883. (Still-births included.)

							1	don	CHS,	1883.					
AND COUNTIES.	SEX.	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Total	40,809	2654	2734	3312	3455	3667	3333	3576	3765	3694	3664	3358	3555	45
	Males	21,196	100			1763	100	1778	100	1966	1948	1885	1798	1829	2
State	Females	19,532	THE R	1350	1583	1686		1547	1745	1793	1736	1769	1554	1721	,
	Unknown	81	3	9	5	6	6	8	6	6	10	10	6	5	13
	[ Total	-31	1	4	1	3	- 5	4	1	2	4	2	1	3	
Alcona	Males	14		2		1	4	1		2	1	2	****	1	
	Females	17	1	2	1	2	1	3	1		8		1	2	
	( Total	876	39	76	81	90	92	65	71	73	96	71	63	59	
Allegan	Males	480	18	36	43	54	50	38	39	41	58	38	35	30	
	Females	396	21	40	38	36	42	27	32	32	38	33	28	29	
	Total	870	34	16	31	37	38	34	30	44	29	26	24	27	
Alpena	Males	195	21	12	19	21	16	13	14	29	9	15	12	14	
	Females	175	13	4	12	16	22	21	16	73 96 71 63 54 41 58 38 35 3 32 38 33 28 2 44 29 26 24 2 29 9 15 12 1 15 20 11 12 1 24 20 17 16 1 11 7 10 9 13 13 6 7	13				
	Total	207	10	n	13	18	20	20	16	24	20	17	16	13	
1500	Males	104	. 7	3	10	6	10	15	9	11	7	10	9	7	
Antrim	Females	102	3	8	3	12	10	14	7	13	13	6	7	6	
	Unknown	1 1		***								1			
	Total	102	14	9	15	10	7	3	10	8	6	8	7	5	
	Males	. 51	8	4	5	.5	3	2	7	3	8	5	4	2	
Arenac	Females	. 50	6	5	10	5	4	1	2	5	3	3	3	3	
	Unknown	. 1							1						
	[ Total	. 60	5	3	5	8	7	6	9	3	5	5	7	3	
Baraga	Males	35	1	2	2	6	2	5	4	1	3	3	4	2	
	Females	31	4	1	3	2	5	1	5	2	9	9	3	1	ļ
	[ Total	480	24	33	34	47	34	39	35	53	52	52	39	44	
Barry	Males	244	15	17	17	22	17	16	15	32	28	20	18	21	
	Females	245	9	10	17	25	17	23	20	21	24	26	21	23	-
	[ Total	1500	93	108	115	111	138	128	127	132	131	144	124	155	
Bay	Males	755	48	58	55	48	75	61	58	64	64	81	61	79	-
-	Females	75	45	50	63	63	62	67	69	68	67	63	60	76	-
	[ Total	. 11	5 4	1 8	7	19	18		19	13	1 8	1	8	6	
Benzie	Males	. 50	6 4	2	9	4	2	1	10		4		5	3	
	Females	. 50	9	1	1 2	8	3 6	1	9	1	4	1	3	3	

### VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mon	TH8,	1683.	•				
COUNTIES.	SEX,	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	[ Total	659	31	33	61	55	63	56	55	62	50	59	82	51	1
<b></b>	Males	336	14	17	31	23	20	27	26	36	25	35	44	28	1
Berrien	Females	322	17	16	30	32	34	28	29	26	25	24	38	23	
	Unknown	1						1					4.4		
	Total	448	27	34	29	53	36	45	39	33	44	42	34	30	2
	Males	241	14	16	16	26	22	30	20	22	21	20	18	15	1
Branch	Females	206	13	18	13	27	14	15	18	11	23	22	16	15	1
	Unknown	1		1					1						
	Total	694	40	42	55	-56	60	60	68	58	63	67	56	69	
•	Males	336	18	24	22	27	30	40	28	28	32	25	31	31	
Calhoun	Females	344	22	17	32	20	30	17	38	29	29	39	24	38	
Į.	Unknown	14		1	1			3	2	1	2	3	1		
	Total	320	18	16	28	21	30	20	29	32	34	40	28	24	
Cass	Males	172	10	6	15	16	21	11	16	19	17	19	10	12	
Cass	Females	148	8	10	13	5	9	9	13	13	17	21	18	12	
	Total	189	9	6	9	18	15	18	29	22	17	15	13	- 10	
Charlevoix	Males	98	4	2	7	11	7	8	17	8	8	9	7	10	
	Females	91	5	4	2	7	s	10	12	14	9	6	6	8	
	Total	239	16	14	24	20	23	12	32	20	9	29	92	18	
Cheboygan	Males	124	11	5	12	-10	14	4	15	13	7	14	9	10	****
• , g	Females	115	5	9	12	10	9	8	17	7	2	15	13	6.7	****
	Total	173	18	12	16	13	14	12	22	14	17	22	- 23	10	****
Chinnema	Males	82	13	7	8	6	10	. 5	10	4	= 3	9	5	3	
Chippewa	i	93	5	5	8	( v)	4		12	10	4	- 1	3	(8)	
	(Females	87	9	1	9	7	11 50	7	13		13	13	2	7	
<b></b>	Total	1.33		15	1.51	5	9	7	-	9	9	5	10	12	2
Clare	Males	42			5	2	4	. 5	4	6	-		7	8	1
	Females	45	2	1	4	3	- 5	2	9	3	3	5	3	4	1.
	Total	460	21	31	34	45	38	43	42	45	39	41	38	43	•
Clinton	Males	229	9	17	16	20	22	21	24	24	19	15	19	23	•
	Females	231	12	14	18	25	16	22	18	21	20	26	19	20	
	Total	25	1	3	2	1	1	1	3	4	3	3	1		
Crawford	Males	14		2	1	1	1	, 1	2	1	2	1		2	
	Females	11	1	1	1				1	3	1	2	1		
I	Total	268	15	17	24	32	24	16	34	19	29	15	19	24	
Delta	Males	142	5	10	12	15	14	8	20	11	19	7	9	12	
	Females	126	10	7	12	17	10	8	11	8	10	8	10	12	

TABLE 4 .- CONTINUED .- Births by Counties, by Months, and by Sex.

	1						1	MON	THS,	1883					
COUNTIES.	Sex.	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	-
	(Total	598	41	29	56	41	64	34	49	57	-68	55	53	51	-
aton	Males	301	19	17	27	18	30	16	23	29	35	29	34	24	
	Females	297	22	12	29	23	34	18	26	28	33	26	19	27	
	(Total	162	12	10	10	9	15	18	21	11	15	15	10	16	
mmet	Males	97	8	8	9	5	11	10	11	8	5	7	5	10	
	Females	65	4	2	1	4	4	8	10	3	10	8	5	6	1.
	Total	687	41	40	63	53	56	61	55	56	51	64	83	64	-
	Males	349	15	21	32	31	25	28	23	30	22	30	47	45	
Genesee	Females	336	26	19	31	22	30	33	32	26	28	34	36	19	1
	Unknown	2					1				1				1.
	Total	17	1	2	2		2	1	1	3	1	3	1		
Gladwin	Males	9		2	1		2	1		1	1	1			
	Females.	8	1		1				1	2		2	1		1
	(Total	284	24	21	22	26	24	20	24	24	12	22	25	33	ľ
Grand Traverse	Males	148	10	10	11	11	13	10	17	12	6	13	14	18	ı
	Females	135	14	11	11	15	10	10	7	12	6	9	11	15	1
	Unknown	1					1								1
	(Total	487	25	23		36	40	34	55	46		63	40	46	-
	Males	243	10	8	15	20	22	17	22	25	28	25	27	24	1
Gratiot	Females	243	15	15	14	16	18	17	32	21	22	38	13	22	1
Grand Traverse  Grantot	Unknown	1					20		1			00		-Man	1
	[Total	478	38	19	28	43	45	49	26	41	46	50	44	48	-
	Males	246	19	10	16	24	25	24	13	19	25	25	18	27	1
Hillsdale	Females	231	19	9	12	19	20	24	13	22	21	25	26	21	1
	Unknown	1						1				200		21	-
	Total	985	59	75	81	90	85	66	79	95	100	92	85	78	-
	Males	510	29	38	47	48	45	37	35	52	52	40	47	40	-
Honghton	Females	474	30	37	34	42	39	29	44	43	48	52	38	38	-
	Unknown	1		0,			1				30	02			-
	(Total	782	61	51	66	70	79	68	75	73	68	63	54	59	ľ
Huron	Males.	397	35	23	33	38	40	35	35	38	35	31	27	25	
duion	Females	385	26	28	33	32	39	33	40	35	33	32	27	27	
	*	544	29	37	33	90	43	46	41	52	65	53	50		1
-	Total	264	15	12		24	23	23	19	21	34	26	24	46 23	
ngham	Females	264	14	25	18	24	23	23	19	31	31	26	26	23	

## VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

		1					ı	Mon:	rhs,	1883.					
COUNTIES.	Sex.	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	(Total	574	30	44	44	48	51	48	43	64	45	44	61	51	1
[onia	Males	276	11	19	29	24	21	19	19	29	24	19	36	25	
	Females	298	19	25	15	24	30	29	24	35	21	25	25	26	
	[Total	337	21	22	30	34	29	36	59	32	17	23	10	23	i i
	Males	182	9	11	19	14	19	20	34	19	11	11	6	8	
losco	Females	154	12	11	11	20	9	16	25	13	6	12	4	15	
	Unknown	1				-	1								
	[Total	406	16	14	42	34	42	38	41	40	36	40	31	32	
	Males	200	8	8	19	15	18	17	15	21	20	23	17	19	
[aabella	Females.	205	8	6	22	19	24	21	26	19	16	17	14	18	
Į,	Unknown	1			1										
	[ Total	861	59	47	73	60	81	64	78	77	93	76	76	76	
Jackson	Males	422	27	19	42	24	41	39	41	37	45	36	31	40	
i	Females	439	32	28	31	36	40	25	37	40	48	40	45	36	
	(Total	556	47	38	51	38	40	39	50	59	47	53	39	55	
Kalamazoo	Males	276	24	17	26	12	19	23	20	29	29	34	20	23	
	Females	280	23	21	25	26	21	16	30	30	18	19	19	32	
	[Total	56	1		3	6	6	10	4	9	5	9	1	2	
Kalkaska	Males	20	1		1	4	1	2	2	5	3	1			
	Females	36			2	2	5	8	2	4	2	8	1	2	
	('Total	1,982	136	126	162	180	183	166	169	177	188	173	160	161	
	Males	1,041	73	56	93	84	107	92	91	82	105	101	81	76	
Kent	Females	940	63	70	69	95	76	74	78	95	83	72	79	85	
	Unknown	1				1				***					
	[Total	274	23	22	30	30	13	23	23	25	16	17	24	18	
Keweenaw	Males	148	13	12	17	13	13	13	9	19	8	8	16	7	
	Females	126	10	10	13	17	10	10	14	6	8	9	8	11	
	[ Total	110	5	2	4	9	13	9	7	18	14	9	11	9	
Lake	Males	57	5	1	1	3	4	5	4	11	7	4	7	5	
	Females	53		1	3	6	9	4	3	7	7	5	4	4	
	[Total	652	43	46	41	68	72	49	66	59	64	50	45	49	
_	Males	332	22	20	22	34	38	27	32	37	30	25	22	23	
Lapeer	Females	319	21	26	19	34	34	22	34	22	33	25	23	26	
	Unknown	1	5	-		1		1			1	- 11	1		

TABLE 4 .- CONTINUED .- Births by Counties, by Months, and by Sex.

								Mon	THS,	1883					
COUNTIES.	Sex.	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	( Total	150	8	3	10	13	16	12	19	16	17	13	11	12	
Leelanaw	Males	74	3	2	3	8	9	7	8	7	8	5	5	9	
	Females	76	5	1	7	5	7	5	11	9	9	8	6	3	
	(Total	664	45	41	48	62	54	54	62	53	57	76	57	55	
Lenawee	Males	338	22	16	19	37	27	31	30	33	27	40	30	26	
	Females	326	23	25	29	25	27	23	32	20	30	36	27	29	
	[ Total	326	23	20	20	33	22	32	22	33	34	28	33	26	
Livingston	Males	181	12	13	14	16	8	18	14	14	24	16	17	15	
	[Females	145	11	7	6	17	14	14	8	19	10	12	16	11	
	[Total	38	4	4	3	7	3		6	1	5	2	2	1	
Mackinac	Males	17	3	1	2	4	1	-	1		4	1			
	Females	21	1	3	1	3	2		5	1	1	1	2	1	
	[ Total	729	50	48	58	71	67	59	53	66	72	67	57	61	
Macomb	Males	405	29	25	33	44	39	31	28	34	46	36	28	32	
	Females	324	21	23	25	27	28	28	25	\$2	26	31	29	29	
	( Total	592	20	30	42	44	56	58	54	53	65	45	53	63	
2000	Males	331	11	15	24	30	30	33	33	28	37	23	25	42	
Manistee	Females	260	17	15	18	14	26	25	21	25	28	22	28	21	
	Unknown	1	1												
	[Total	22	2	2	3	1		2	1	2	1		3	5	
Manitou	Males	13	1	1	1	1		2	1	1	1		1	3	
	Females	9	1	1	9					1			2	9	
	Total	1,139	86	80	88	99	114	95	95	96	99	113	84	90	
Marquette	Males	582	38	48	47	46	50	59	54	44	45	68	43	40	
	Females	557	48	32	41	53	64	38	41	52	54	45	41	50	
	[Total	315	24	19	21	30	29	34	28	28	26	23	26	27	
Mason	Males	147	10	9	15	13	16	16	14	10	10	15	8	11	
	Females	168	14	10	6	17	13	18	14	18	16	8	18	16	
	[Total	374	23	34	26	23	41	36	31	34	33	38	20	-	
Mecosta	Males	212	14	19	12	12	25	25	20	18		22		1	
	Females	162	9	15	14	11	16	11	11	16	16		9	20	
	The state of the s	432	20	30	30	34	36	38	38	35	17	16	11	15	***
	Total	932		12	16	-	-				36	36	46	50	3
Menomineo	Males	200	8	100		18	16	22	16	15	21	18	33	26	3
	Females	207	12	17	14	16	20	16	22	19	15	18	13	24	3
	(Unknown	2		1					****	1					

TABLE 4 .- CONTINUED .- Births by Counties, by Months, and by Sex.

							1	Mon	THS,	1883.					
COUNTIES.	SEX.	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December,	Unknown.
-	Total	185	9	20	13	13	27	11	17	23	13	17	13	9	
Midland	Males	108	5	10	8	6	18	7	10	14	5	9	13	3	
	Females	77	4	10	5	7	9	4	7	9	8	8		6	
	Total	85	3	11	7	7	5	10	6	10	11	5	5	4	1
Missaukee	Males	42	2	5	2	5	3	4	4	7	4	3	1	9	****
	Females	43	1	6	5	2	2	6	2	3	7	2	4	2	1
1	Total	766	47	45	60	61	69	61	73	73	72	75	57	72	1
	Males	426	27	25	37	39	42	30	36	36	42	39	35	38	
Monroe	Females	338	20	20	23	22	27	31	37	37	30	36	21	33	3
	Unknown	2											1	1	
1	Total	671	28	48	55	67	58	68	51	62	65	53	46	69	1
Montcalm	Males	337	16	27	28	30	27	31	25	33	31	28	23	38	
	Females	334	12	21	27	37	31	37	26	29	34	25	23	31	7
	Total	22	1			1		4	3	4	4	1		4	
Montmorency	Males	17	1			1		4	2	1	4			4	
	Females	5							1	3		1			
	Total	1,017	67	76	87.	88	79	75	90	94	96	94	87	84	
Muskegon	Males	493	33	47	29	48	39	34	48	50	36	42	50	37	
	Females	524	34	29	58	40	40	41	42	44	60	52	37	47	
	Total	440	22	27	34	35	42	40	39	38	50	39	41	33	
Newaygo	Males	250	7	19	13	22	19	26	21	24	27	21	28	23	
	Females	190	15	8	21	13	23	14	18	14	23	18	13	10	
	Total	630	34	38	63	52	59	54	51	50	52	66	49	62	
	Males	321	17	18	36	23	34	23	24	25	34	31	26	30	
Oakland	Females	306	17	19	27	29	25	31	27	25	17	35	22	32	
	Unknown	3		1							1		1		
	Total	309	19	17	22	25	25	38	28	36	24	26	22	27	
Annual Control	Males	157	8	8	13	10	12	21	12	18	12	16	15	12	
Oceana	Females	147	11	9	8	15	13	17	16	18	10	8	7	15	
	Unknown	5			1						2	2			
	Total	43	4	3		5	1	7	5	6	3	8	5	1	
Ogemaw	Males	25	2	2		3	1	4	5	1	2	1	3	1	
	Females	18	2	1		2		3		5	1	2	2		
- 6	Total	77	2	8	0.00	3	5	8	5	12	7	7	6	5	
Ontonagon	Males	40	1	3	7	2	3	2	2	9	3	4	2	2	
A STATE OF THE PARTY OF THE PAR	Females	37	1	5		1	2	6	3	3	4	3	4	3	

TABLE 4 .- CONTINUED .- Births by Counties, by Months, and by Sex.

COUNTIES.	SEX,	Year, 1883.	MONTHS, 1883.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
(Total		384	16	24	38	26	36	25	43	35	38	39	25	39	
Osceola	Males	210	9	9	21	15	20	18	25	15	20	20	18	20	
	Females	167	7	15	15	11	15	7	18	20	18	17	6	18	
	Unknown	7			2		1					2	1	1	
Oscoda	[Total	18		1	2	1	2	1	1	2	2	3	2	1	
	Males	9			2		1		1	1	1	1	1	1	
	Females	9		1		1	1	1		1	1	2	1		
- Contractor Contractor	[ Total	88	8	4	6	10	3	11	8	10	12	7	4	5	
	Males	39	4	1	4	3	1	4	4	9	8	3	2	3	
	Females	49	4	3	2	7	2	7	4	8	4	4	2	2	
Ottawa	[Total	969	70	68	100	85	87	89	79	94	79	71	61	86	
	Males	501	37	35	52	44	39	47	42	48	41	32	35	49	
	Females	461	32	32	48	39	48	42	37	45	87	38	26	37	
	Unknown	7	1	1		2				1	1	1			
	[Total	172	21	14	17	16	14	4	18	10	11	12	24	11	
	Males	89	10	4	8	9	7	2	11	6	6	5	14	7	
	Females	83	11	10	9	7	7	2	7	4	5	7	10	4	ļ
Roscommon	[Total	16	1		2	2	1	2	3	2	3		1	1	
	Males	7				1		1	2	1	***		1	1	
	Females	9	1			1	1	1	1	1	3				
Saginaw	[Total	1,860	157	140	154	137	179	150	158	157	157	169	142	155	1
	Males	936	68	70	83	71	89	79	81	67	93	83	70	79	1
	Females	913	89	68	71	64	90	68	77	90	63	85	71	75	5
	Unknown	11		2		2		3			1	1	1	1	
Sanilac	Total	765	33	53	75	78	81	70	60	79	68	56	58	54	
	Males	384	16	28	34	41	43	35	32	40	33	34	25	23	
	Females	381	17	25	41	37	38	35	28	39	35	22	33	31	
Schoolcraft	[Total	23	1	2	1				1	3	5	2	2	6	
	Males	16		2	1				1	3	2	2	1	4	
	Females	7	1								3		1	2	
Shiawassee	[Total	456	36	32	45	36	29	30	41	41	36	42	51	37	
	Males	232	18	14	20	24	11	14	24	22	19	23	27	16	
	Females	222	18	17	25	12	18	16	17	19	17	19	24	20	
	Unknown	2		1										1	

TABLE 4.—Continued.—Births by Counties, by Months, and by Sex.

							1	rkob	Н8,	1883.					
t. Joseph	SEX.	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August,	September.	October.	November,	December.	Unknown.
	f Total	976	75	68	67	80	80	77	89	103	88	82	80	87	
04.01-1	Males	511	43	34	33	37	47	48	46	55	41	41	47	39	
St. Clair	Females	462	32	34	34	43	33	29	43	47	46	41	33	47	
	Unknown	3								. 1	1			1	
	Total	460	31	33	30	34	50	42	38	41	36	47	38	40	
<b></b>	Males	250	19	16	12	20	24	27	16	23	17	25	26	25	
st. Joseph	Females	205	12	16	,18	14	25	15	21	16	19	22	12	15	
	Unknown	5		1			1		1	2					
	[Total	729	34	51	56	52	84	67	70	74	75	53	60	*49	
	Males	389	19	26	21	23	52	32	40	39	45	30	35	27	
T.Gecoig	Females	339	15	24	35	29	32	35	30	35	30	23	25	22	
	Unknown	1		1						-					
	[Total	535	33	28	43	57	44	37	54	45	40	52	48	52	
	Males	279	21	11	23	28	92	20	32	16	26	27	22	29	
Van Buren	Females	255	12	17	20	29	22	17	22	29	14	25	25	23	
	Unknown	1								***			1		
	[Total	614	35	50	52	60	49	40	44	57	63	61	43	56	
	Males	330	20	22	27	28	29	30	25	29	32	27	27	31	
Washtenaw	Females	282	15	28	25	31	20	10	19	28	31	34	16	25	
	Unknown	9				1									
	[Total	5,358	409	419	448	413	437	385	421	479	464	467	475	541	
	Males	2,908	228	221	243	221	231	207	223	283	265	253	255	278	
Wayne	Females	2,449	180	198	205	192	206	178	198	196	199	214	220	263	
	Unknown	1	1						***						
	[Total	205	10	3	16	17	23	24	21	18	15	23	21	14	
	Males	102	4	3	8	10	13	12	9	9	4	12	10	8	
Wexford	Females	103	6		8	7	10	12	12	9	11	11	11	6	

By reference to Table 5 may be seen the number of inhabitants, the birthrate, and the proportion of the sexes among the different races of people in Michigan. The table would be more satisfactory if it contained the number of inhabitants of each race, in 1883,—the year in which the births occurred. The State Census of 1884 will be useful for this purpose next year. From the column in this table headed "Per cent of children born to inhabitants," it will be observed that the birth-rate was greater than the average among the white inhabitants, and greater than among the other races. The birth-rate among the black and mulatto inhabitants, which includes all of African

descent, is much smaller than the average for all races.

In Table 6 will be found the number of births returned by counties, by sex, and also by color. It also shows the rates per cent of the births to the persons living according to the census of 1880, and the average rate for the entire State. It is interesting to note the fluctuations in the birth-rates of the different counties. Those counties which contain the greatest number of foreigners, and the most productive class of the population, are found to have the highest birth-rates, while in the more rural sections, containing the largest native population, the birth-rates are much less. The number of births in 1883 was 2.50 per cent of the number of inhabitants in 1880, the number of male births in 1883 was 2.46 per cent of the male inhabitants, and the number of female births was 2.53 per cent of the female inhabitants. By this table the birth-rate in each county can be compared with the birth-rate for the entire State, and also to note the difference in the birth-rates of the various counties. The counties showing the highest birth-rates for the year 1883, according to the returns, were Alpena, Houghton, Iosco, Keweenaw, Manistee, Marquette, Missaukee, Otsego, and Presque Isle. The counties of Barry, Branch, Cass, Hillsdale, Lenawee, Livingston, Oakland, and Washtenaw show a birth-rate considerably less than that of the entire State.

In Table 6 may also be seen, by counties, the number of births among the White, Black, Mulatto, and Indian races. Seventeen births were returned for 1883 without the statement of the color, of which number the county of

Calhoun alone has eleven.

TABLE 5.—Exhibiting, by Color and Sex, the Population of Michigan June 1, 1880, the Number of Births returned for the Year 1883, the Per Cent of Births to Population, and the Per Cent of Births of each Sex to the Total of both Sexes. (Still-births included.)

RAUE OR COLOR.	Sex.	Population June 1, 1880, Repre- sented by Births in 1883.	Children Born in 1888.	Per Cent of Births of each Color to Total of All Col- ors, by Sex.	Per Cent of Children born to Inhabit- ants.	Per Cent of each Sex to Children of Both Sexes.	Inhabit- ants to one Child born, by Color and Sex.
	Total	• 1,633,060	40,809	100,00	2.50		40,02
	Males		21,196	100.00	2.46	52.04	40.57
All Colors	Females	773,117	19,532	100.00	2.53	47.96	39.58
	Unknown.	1	81	100.00	2.00	27.50	39.00
	Onkhown.		. 61	100.00		 	
ŗ	Total	1,610,917	40,430	99.08	2.59		89.84
White	Males		21,000	99.08		52.03	·
white	Females		19,358	99.11		47.97	
	Unknown_		72	88.89			
	Total		119	.29			
Black	Males		74	.35		62,18	
į	Females		45	.23		37.82	
ļ	Total		116	.28			
Malada	Males		56	.26		49.12	
Mulatto	Females		58	.30		50.88	
i	Unkhown.		2	2.47			
	Total	7,029	127	.31	1.81		35.85
Indian	Males		62	.29		48.82	
	Females		65	.33		51.18	
	Total		17	.04			
	Males		4	.02		40.00	
Unknown Color	Females		6	.03		60.00	
	Unknown.		7	8.64			
	Total	15,086	235	.57	1.49		64.20
	Males	1	130	.61		55.79	
Black and Mulatto			103	.53		44.21	
	Unknown.		2	2,47			
		1					

<sup>·</sup> Includes 28 Asiatics.

TABLE 6.—Exhibiting for the State and Counties of Michigan, by Sex, the Population in 1880, the Per Cent of Births in 1883 to Population in 1880, the Number of Males to 100 Females born during the Year 1883, and by Sex and Color the Births returned for 1883. (Still-births included.)

OM+MM	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Con	ов,—Сн	LDREN	Born	in 188	3.
STATE AND COUNTIES.	Males to 100 Females.	SEX.	of Each Sex to Total of Both Sexes.	1880 Represented by Births in 1883.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors.	White.	Black.	Mu- latto.	In. dian,	Unk.
	1	Total		1,633,060	2.50	40,809	40,430	119	116	127	17
State	108	Males	52.04	859,943	2.46	21,196	21,000	74	56	62	4
01410	100	Females	47.96	778,117	2.53	19,532	19,358	4.5	58	65	6
		Unknown				81	72		2		7
7	1	Total		3,107	1.00	31	31				
Alcona	82	Males	45,16	1,945	.72	14	14				
		Females	54.84	1,162	1.46	17	17				
	1	Total		37,815	2.32	876	870		3	3	
Allegan	121	Males	54.79	19,732	2.43	480	477		1	2	
		Females	45.21	18,083	2.19	396	393		2	1	
		Total		8,789	4.32	370	370				
Alpena	112 -	Males	52.70	5,161	3.78	195	195				
		Females	47.30	3,628	4.82	175	175				
	1	Total		5,237	3.95	207	207				
Antolo	100	Males	50.49	2,867	3.63	104	104				
Antrim	102	Females	49.51	2,370	4.30	102	102				
	1	Unknown				1	1				
		Total				102	97			4	1
Arana	102	Males	50.50			51	47			4	
Arense	102	Females	49.50			50	- 50				
	3	Unknown				1					1
	3	Total		1,804	3.10	66	51			15	
Baraga	113	Males	53.03	1,036	3.38	35	26			9	
		Females	46.97	768	4.04	31	25			6	
		Total		25,317	1.92	486	486				
Barry	101	Males	50.21	13,284	1.84	244	244		*****		
	1	Females	49.79	12,033	2.01	242	242				
	1	Total		38,081	3.95	1,506	1,497	2	3	4	
Bay	100 -	Males	49.93	21,098	3.56	752	746		2	4	
		Females.	50,07	16,983	4.44	754	751	2	1		

<sup>\*</sup> Organized since census was taken.

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

			Per Ct.	Popula-	Per Ct.	Co	LOR,—CH	ILDREE	г Воли	ın 188	33.
COUNTIES.	Births,— Males to 100 Females.	SEX.	Births of Each Sex to Total of Both Sexes.	tion in 1880 Repre- sented by Births in 1883.	Births of Each Sex to Popula- tion of Same Sex.	Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
		Total		3,438	3.35	115	114		1		
Benzie	95 -	Males	48.70	1,862	3.01	56	55		1		
	l	Females	51.30	1,571	3.76	59	59		ļ		
	ſ	Total		36,783	1.79	659	648	1	10		
Berrien	104	Males	51.06	18,805	1.79	336	330	1	5		
Dellien	( • • •	Females .	48.94	17,980	1.79	342	317		5		
ļ	į	Unknown				1	1		ļ	ļ	j
	ſ	Total		27,941	1.60	. 448	447		<b></b>		1
Branch	117 {	Males	53.91	14,240	1.69	241	241				
DIAMON	ì	Females.	46.09	13,701	1.50	206	206	·····			
	į	Unknown				1					
	ſ	Total		38,452	1.80	694	671	5	7		1
Calhoun	98 {	Males	49.41	19,599	1.71	336	326	4	4		i '
OBINOUIL		Females	50.59	18,853	1.82	844	336	1	2		
	Į	Unknown		•••••		14	9		1		
	ſ	Total		22,009	1.45	320	295	6	19		
Cass	116	Males	53.75	11,350	1.52	172	162	2	8		
	į	Females	46.25	10,659	1.39	148	133	4	11		
1	ſ	Total		5,115	3.69	180	178	3	3	5	
Oharlevoix	108	Males	51.85	2,743	3.57	98	95		1	2	
. 1	l	Females	48.15	2,372	3.84	91	83	3	2	3	<b> </b>
	ſ	Total		6,524	3.66	239	235			4	
Theboygan	108	Males	51.88	3,760	3.30	124	122	•••••		2	
i	l	Females.	48.12	2,764	4.16	115	113			2	
	ſ	Total		5,248	3.33	175	165			10	
hippewa	88 {	Males	46.86	2,906	2.82	82	80	•		2	
	l	Females	53.14	2,342	3.97	93	85			8	
	ſ	Total		4,039	2.15	87	87				
lare	93 -	Males	48.28	2,681	1.57	42	42				
1	l	Females.	5L72	1,358	8.31	45	45				
ļ	١	Total		28,100	1.61	460	458		2		
inton	99 }	Males	49.78	14,657	1.56	229	229			. <b></b>	•
	l	Females_	50.22	13,443	1.72	231	229		2		•====
<b>-</b>	ſ	Total		1,159	2.16	25	25				
wford	127	Males	56.00	683	2.05	14	14				
-											

TABLE 6 .- CONTINUED .- Births by Counties, by Sex, and by Color.

	Births,-		Per Ct. of Births	Popula-	Per Ct. of Births	Con	соп,—Сн	ILDREN	Born	IN 188	3.
COUNTIES.	Males to 100 Females.	Sex.	of each Sex to Total of both Sexes.	1880 Represented by Births in 1883.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk
		Total		6,734	3.98	268	268				
Delta	113	Males	52.98	4,120	3.44	142	142				****
		Females.	47.02	2,605	4.84	126	126				
		Total		31,225	1.92	598	598				
Eaton	101	Males	50.33	16,072	1.87	301	301				
		Females .	49.67	15,153	1.96	297	297				
		Total		6,639	2.44	162	122			40	
Emmet	149	Males	59.88	3,544	2.74	97	76			21	
		Females .	40.12	3,095	2.10	65	46			19	
	/	Total		39,220	1.75	687	681	1	2	3	
Description of the last	-	Males	50.95	20,042	1.74	349	349				
Genesee	104	Females .	49.05	19,178	1.75	336	330	1	2	3	
		Unknown				2	2				
	3 1	Total		1,127	1.51	17	17				
Gladwin	113	Males	52.94	749	1.20	9	9				
		Females.	47.06	378	2,12	8	8				
		Total		8,422	3.37	284	284				
Property of the last	1	Males	52.30	4,608	3.21	148	148				
Gr. Traverse	110	Females.	47.70	3,814	3.54	135	135				
		Unknown				1	1				
		Total		21,936	2.22	487	485		1		
		Males	50.00	11,687	2.08	243	243				
Gratiot	100	Females.	50.00	10,249	2.37	248	242		1		
		Unknown				1					
		Total		32,723	1.49	478	477			1	
		Males	51.57	16,544	1.49	246	246				
Hillsdale	106	Females.	48.43	16,179	1.43	231	230			1	
		Unknown				1	1				
		Total		22,473	4.38	985	982		3		
	100	Males	51.83	12,242	4.17	510	508		2		
Houghton	108	Females.	48.17	10,231	4.63	474	473		1		
		Unknown				1	1				
		Total		20,089	3.89	782	782				
luron	103	Males	50,77	10,714	3.71	397	397				
	100	Females .	49.23	9,375	4.11	385	385				
	1	chaies.	TOTAL	2,010	****	000	500			******	

TABLE 6 .- CONTINUED .- Births by Counties, by Sex, and by Color.

	Births,-		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Cor	or,—Ch	ILDREN	Born	IN 188	33.
COUNTIES.	Males to 100 Females.	Sex.	of each Sex to Total of both Sexes.	1880 Represented by Births in 1883.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White,	Black.	Mu- latto.	In-	Unk
	14	Total		33,676	1.62	544	533	4	5		-
Ingham	94 -	Males	48.53	17,399	1.52	264	258	2	3		-2
		Females .	51.47	16,277	1.72	280	275	2	2		
		Total		33,872	1.69	574	573				
Ionia	93 -	Males	48.08	17,974	1.54	276	275				
		Females .	51,92	15,898	1.87	298	298				
		Total		6,873	4.90	337	337				
Tosso	118	Males	54.17	4,097	4.44	182	182				
Iosco	110	Females .	45,83	2,776	5.55	154	154				
	1	Unknown				1	1				
		Total		12,159	3.34	406	393			13	
Tankalla	98 4	Males	49.38	6,602	3.03	200	196			4	
Isabella	30	Females.	50.62	5,557	3.69	205	196			9	
100		Unknown				1	1				
	1	Total		42,031	2.05	861	850	8	3		
Jackson	96	Males	49.01	21,833	1.93	422	416	5	1		
		Females.	50.99	20,198	2.17	439	434	3	2		
-	1	Total		34,342	1.62	556	547	5	4		
Kalamazoo	99 -	Males	49.64	17,343	1.59	276	270	3	3		
	. 1	Females.	50.36	16,999	1.65	280	277	2	1		
	1	Total		2,937	1.91	56	56				
Kalkaska	56 -	Males	35.71	1,617	1.24	20	20				
		Females.	64.29	1,320	2.73	36	36				
4	1	Total		73,253	2.71	1,982	1,969	7	6		
Want.	111	Males	52.55	38,014	2.74	1,041	1,033	5	3		
Kent	111	Females.	47.45	35,239	2.67	940	935	2	3		
		Unknown				1	1				
	1	Total		4,270	6.42	274	274				
Keweenaw	117	Males	54.01	2,396	6.18	148	148				
		Females.	45.99	1,874	6.72	126	126				
		Total		3,233	3.40	110	110				
Lake	108	Males	51.82	1,941	2,94	57	57				
3		Females.	48.18	1,292	4.10	53	53				
		Total		30,138	2.16	652	652				
Longon	704	Males	51.00	15,827	2.10	332	832				
Lapeer	104	Females.	49.00	14,311	2.23	319	319				
		Unknown				1	1			-	

TABLE 6 .- CONTINUED .- Births by Counties, by Sex, and by Color.

	Births,-		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Co	LOR,—CH	ILDRES	BORN	IN 188	83.
COUNTIES.	Males to 100 Females.	Sex.	of each Sex to Total of both Sexes.	Represented by Births in 1883.	of each Sex to Popula- tion of same Sex	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
		Total		6,253	2,40	150	150				
Leelanaw	97 -	Males	49.33	3,388	2.18	74	74				
	-	Females.	50.67	2,865	2.65	76	76				
		Total		48,343	1.37	664	662	2			
Lenawee	104	Males	50.90	24,281	1.39	338	337	1			
		Females.	49.10	24,062	1.35	326	325	1			
		Total		22,251	1.47	326	325	1			
Livingston_	125	Males	55,52	11,620	1.56	181	181				
		Females .	44.48	10,631	1.36	145	144	1			
		Total		1,558	2.44	38	38				
Mackinac	81	Males	44.74	913	1.28	17	17				
		Females.	55.26	645	3.26	21	21				
		Total		31,627	2.30	729	729				
Macomb	125	Males	55.56	16,157	2.51	405	405				
		Females.	44.44	15,470	2.09	324	324				
	-	Total		12,532	4.72	592	588			4	
	1000	Males	56.01	6,969	4.75	331	330			1	
Manistee	127	Females.	43.99	5,563	4.67	260	257			3	
		Unknown				1	1				
		Total		1,334	1.65	22	92				
Manitou	144	Males	59,09	718	1.81	13	13				
	-	Females.	40.91	616	1.46	9	9				
		Total		25,394	4.49	1,139	1,139				
Marquette	104	Males	51.10	14,760	3.94	582	582				
queriess	-	Females.	48.90	10,634	5,24	557	557				
		Total		10,065	3.13	315	312			3	
Mason	88	Males	46,67	5,659	2,60	147	146			1	
		Females.	53.33	4,406	3.81	168	166			9	
		Total		13,973	2.68	374	366	4	4		
Mecosta	131	Males	56.68	7,626	2.78	212	204	4	4	10000	
	101	Females_	43.32	6,347	2.55	162	162	1			
		Total	10.02	11,987	3.60	432	427			5	
		Males	51.86	8,000	2.79	223	220			3	
Menominee.	108	Females	48.14	3,997	5.19	207	205			9	
				0,857		207	205				
		Unknown		*********		2	2				

TABLE 6 .- CONTINUED .- Births by Counties, by Sex, and by Color.

	Births,-		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Con	ов,—Сн	ILDEEN	BOBN	IN 185	33.
COUNTIES.	Males to 100 Females.	Sex.	of each Sex to Total of both Sexes.	1880 Represented by Births in 1883.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
		Total		6,893	2.68	185	184	1			
Midland	140	Males	58.38	3,780	2.86	108	107	1			
		Females	41.62	3,113	2.47	77	77				
		Total		1,553	5.47	85	85				
Missaukee	98 -	Males	49.41	942	4.46	42	42				
		Females_	50.59	611	7.04	43	43				
		Total		33,624	2.28	766	764		2		
Monroe	126 -	Males	55.76	17,250	2.47	426	424		2		
Monrou	120	Females	44.24	16,374	2.06	338	338				
		Unknown				2	2				
		Total		31,166	2.15	671	671				
Montcalm	101 -	Males	50.22	17,045	1.98	337	337				
		Females.	49.78	14,121	2.37	334	334				
		Total				22	22		******		
Montmorency	340	Males	77,27			17	17				
		Females.	22.73			5	5				
		Total		26,586	3.83	1,017	1,016		1		
Muskegon	94	Males	48.48	14,784	3.33	493	492		1		
		Females.	51.52	11,802	4,44	524	524				
		Total		14,688	3.00	440	437		1	2	
Newaygo	132 -	Males	56.82	8,376	2,98	250	247		1	2	
		Females .	43.18	6,312	3.01	190	190				
		Total		41,537	1.52	630	628	1	1		
Dakland	105	Males	51.20	21,327	1.51	321	321				
Janiand	100	Females	48.80	20,210	1.51	306	304	1	1		
4		Unknown				3	3				
		Total		11,699	2.64	309	305			4	
Occount	107	Males	51.64	6,444	2.44	157	156			1	
Oceana	101	Females	48.36	5,255	2.80	147	144			3	
	1	Unknown				5	5				
	1	Total		1,914	2,25	43	43				
Ogemaw	139	Males	58.14	1,168	2.14	25	25				
		Females	41.86	746	2,41	18	18				
	-	Total		2,565	3.00	77	76			1	
Ontonagon	108	Males	51.95	1,335	3.00	40	39			1	
	1	Females	48.05	1,230	3.01	37	37				-

ie population of Montmorency county was compiled with Alpena county.

TABLE 6.—Continued.—Births by Counties, by Sex, and by Color.

	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Con	ов,—Сн	ILDREN	Born	IN 188	3,
COUNTIES.	Males to 100 Females.	SEX.	of each Sex to Total of both Sexes.	1880 Represented by Births in 1883.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black,	Mu- latto.	In- dian.	Unk.
		Total		10,777	3.56	384	383	1			
		Males	55.70	6,015	3.49	210	200	1			
Osceola	126	Females	44.30	4,762	3.51	167	167				
		Unknown				7	7				
		Total		467	3,85	18	18				
Oscoda	100	Males	50.00	291	3.09	9	9				
		Females	50.00	176	5.11	9	9				
	۱ ،	Total		1,974	4.46	88	87	1			
Otsego	80 -	Males	44.32	1,137	3.43	39	38	1			
		Females	55.68	837	5.85	49	49				
		Total		33,126	2.93	969	967	2			
	!	Males	52,08	17,472	2.87	501	499	2			
Ottawa	109	Females	47.92	15,654	2.94	461	461				
		Unknown				7	7				
•	<b>1</b> 1	Total		3,113	5.53	172	179				
Presque Isle	107	Males	51.74	1,701	5.23	89	89				
		Females	48.26	1,412	5.88	83	83				
	<b>,</b>	Total		1,459	1.10	16	15			1	
Roscommon_	78	Males	43.73	1,096	1.64	7	7				
		Females	56,25	363	2,48	9	8			1	
		Total		59,095	3.15	1,860	1,855	2		3	
0		Males	50.62	31,803	2.94	936	933	1		2	
Saginaw	103	Females	49.38	27,292	3.35	913	911	1		1	
		Unknown				-11	11				
	١,	Total		26,341	2.90	765	765				
Sanilac	101	Males	50.20	14,023	2.73	394	384				
		Females.	49.80	12,318	3.09	381	381				
	ĺ ,	Total		1,305	1.76	23	23				
Schoolcraft.	229	Males	69.57	923	1.73	16	16				
		Females.	30.43	882	1.83	7	7				
		Total		27,059	1.69	456	454		2		
	]	Males	51.10	14,248	1.63	232	231		1		
Shiawassee_	105	Females	48.90	12,811	1.73	222	221		1		
		Unknown				2	2				
_	1			l	<u> </u>	'	1	•	l	'	

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

١

	Births,—		Per Ct. of Births of	Popula- tion in 1880	Per Ct. of Births of each	Co	.ов,—Сн	ILDRE	г Вови	IN 18	68.
COUNTIES.	to 100 Females.	SEX.	each Sex to Total of both Sexes,	Represented by Births in 1883.	Sex to	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
		Total		46,197	2.11	976	974	1	1		
a. a		Males	52.52	23,922	2.14	511	509	1	1	 	
St. Clair	111	Females	47.48	22,275	2.07	462	462				
		Unknown				3	8				
	1	Total		26,626	1.73	460	458	<b></b> .	2		
		Males	54.95	13,516	1.11	250	250				
St. Joseph	122	Females	45.05	13,110	1.56	205	203		2		
	{	Unknown	•••••			5	5	<b> </b>	<b></b> .	<b> </b> -	
	ŗ	Total		25,738	2.83	729	728		1		
		Males	53.43	13,644	2.85	389	389			 	
Tuscola	115	Females	46.57	12,094	2.80	339	838	<b></b>	1		
	l	Unknown				1	1	<b></b>			
	ſ	Total		30,807	1.74	535	518	5	12		ļ 
Van D	109 {	Males	52.25	15,757	1.77	279	271	8	5		<b></b>
Van Buren	109 1	Females.	47.75	15,050	1.69	255	247	2	6		<b></b>
	l	Unknown				1		••••	1		ļ
	ſ	Total		41,848	1.47	614	605	4	4	1	<b></b>
Washinson	117 -{	Males	53.92	21,250	1.55	330	326	2	2		
Washtenaw	11, 1	Females	46.08	20,598	1.37	282	277	2	9	1	
i İ	ŧ	Unknown				2	2			•	
		Total		166,444	3.22	5,358	5,292	52	13	1	
Wayne	119	Males	54.28	82,917	3.51	2,908	2,867	35	5	1	
таунс	115	Females	45.72	83,527	2.93	2,449	2,424	17	8		
	į	Unknown				1	1				
	ſ	Total		6,815	3.01	205	205				
Wexford	99 {	Males	49.76	3,903	2.62	102	102				
	ί	Females	50.24	2,912	3.54	103	103				

## PARENT-NATIVITY.

In Table 7 the births are classified in accordance with the nativity of the parents. It will be seen that the number of children born of native-born parents, in 1883, was 43.64 per cent of the whole number, while the per cent of births of foreign parentage was 36.06 of the whole number. This does not vary much from the percentage of native-born parents in 1883, which was 43.67 per cent, but there has been a constant increase in the percentage of foreign-born parents for the last three years. The average per cent of children born of native-born parents for the fourteen years 1869–1882 was 45.59, and the average per cent of children born of parents for the same period of years was 33.78 per cent.

TABLE 7.—Showing, by Sex, the Parent-Nativity of Children born in Michigan during the year 1883, according to the Returns.

NATIVITY OF PARENTS	-		TOTA	L BII	атня,	1883.		
OF		Num	BER.		PE	E CENT	OF TOTAL	
CHILDREN BORN, 1883.	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities	40, 809	21,196	19,532	81	100.00	100.00	100.00	100,00
Both parents native-born	17,810	9,203	8,582	25	43.64	43.42	43.94	30.86
Both parents foreign-born	14,716	7,651	7,048	17	36.06	36.10	36.08	20.99
Foreign father and native mother	4,566	2,369	2,191	6	11,19	11.18	11.22	7.41
Foreign mother and native father	2,532	1,357	1,174	1	6.21	6.40	6.01	1.24
Unknown mother, father native	184	98	84	2	.45	.46	.43	2.47
Unknown mother, father foreign	105	62	43		,26	.29	.22	
Unknown father, mother native	211	109	99	3	.51	.52	.51	3.70
Unknown father, mother foreign	97	56	41		.24	.26	.21	
Both unknown	588	291	270	27	1.44	1.37	1.38	33.33
One or both native	25,303	13,136	12,130	37	62.60	61.97	62.10	45.68
One or both foreign	22,016	11,495	10,497	24	53,95	54.23	53.74	29.63

Table 8 shows the parent-nativity of children born in Michigan for each of the years 1881-1853, and the average for eight years 1875-1882. While the Proportion of children of native-born parents for the year 1883 is less by 1.87 per cent than the average, the proportion of children of foreign-born parents for 1883 is greater than the average by 1.76 per cent. In both classes of mixed parentage the percentage for 1883 is greater than the average for eight years. It is gratifying to note that the proportion of births whose parent-nativity was returned as "unknown," for the year 1883, was less than that of the average.

TABLE 8.—Parent-nativity of Children Born in Michigan for each of the Years 1881-1883, and the Average for eight Years, 1875-1882.

NATIVITY OF PARENTS	18	81.	18	82.	18	83,		8 YEARS,-1882.
OF CHILDREN BORN.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct.
All Nativities	34,749	100.00	37,026	100.00	40,809	100.00	34,496	100.00
Both native-born	15,907	45.78	16,169	43.67	17,810	43.64	15,698	45.51
Both foreign-born	11,560	33,27	13,173	35.58	14,716	36.06	11,832	34.30
Foreign father and native mother	4,078	11.74	4,357	11.77	4,566	11.19	3,836	11.12
Foreign mother and native father	2,075	5.97	2,213	5.97	2,532	6.21	1,985	5.75
One or both unknown	1,129	3.25	1,114	3.01	1,185	2.90	1,145	3.32
One or both parents nativea	22,060	63.48	22,739	61.41	24,908	61.04	21,561	62.50
One or both parents foreigna	17,713	50.97	19,743	53.35	21,814	53.45	17,671	51.23
Native	18,170	52.29	18,584	50.19	20,526	50.30	17,895	51.88
Father. Foreign	15,803	45.48	17,618	47.58	19,387	47,51	15,833	45.89
Unknown	776	2.23	824	2,23	896	2.19	768	2.23
[ Native	20,225	58,20	20,732	55.99	22.587	55.35	19,742	57.23
Mother. Foreign	13,765	39.61	15,461	41,76	17,345	42.50	13,910	40.32
Unknown	759	2.18	833	2.25	877	2.15	844	2.45

a Excluding cases where nativity of either parent is unknown.

In Table 9 may be seen the parent-nativity of children born in Michigan during the year 1883, not only for the State but for each county in the State. The number of births, the nativity of whose parents was returned as unknown, was 588, of which number Montcalm has 23, Saginaw 69, and Wayne 192.

TABLE 9.—Exhibiting, for the State and Counties of Michigan, by Sex, the Parent-Nativity of Children Returned as having been Born during the Year 1883. (Still-births included.)

STATE		Children	-	NATIVITY	OF PARE	TS OF C		N BOR		HER	1
AND	SEX.	Born,	Both	Both	Foreign Father	Foreign Mother		NK.		CK.	1,2
COUNTIES.	1	1883.	Native- Born.	Foreign- Born.	and Native	and Native	Fat	her.	Mot	her.	Unk.
			DOFII.	Born.	Mother.	Father.	Na- tive,	For- eign.	Na- tive.	For- eign,	Both
	Total	40,809	17,810	14,716	4,566	2,532	184	105	211	97	588
	Males	21,196	9,203	7,651	2,369	1,357	98	62	109	56	291
State	Females	19,532	8,582	7,048	2,191	1,174	84	43	99	41	270
	Unknown	81	25	17	6	1	2		3		27
	(Total	, 31	11	13	5	2					
Alcona	Males	14	7	5	2						
	Females	17	4	8	3	2					
	Total	876	540	206	94	36					
Allegan	Males	480	296	121	46	17					
	Females	396	244	85	48	19					
	Total	370	31	271	47	14			3	2	1
Alpena	Males	195	12	141	27	11	*****		1	1	5
	Females.	175	19	130	20	3			2	1	
3	Total	207	106	58	26	13			2	1	1
Antrim	Males	104	48	35	9	10			1	1	
wastill	Females	102	58	23	17	3			1		
2	Unknown	1									1
	Total	102	45	39	10	6	1				1
Arenac	Males	51	23	16	6	4	1				1
wiellac.	Females.	50	21	23	4	2					
3	Unknown	1	1				*****				
	Total	66	17	38	9	1					1
Baraga	Males	35	10	20	5						
13	Females.	31	7	18	4	1					1
3	Total	486	407	23	36	14	1		3		5
Barry	Males	244	197	14	20	9	1		2		1
3	Females	242	210	9	16	- 5			1		1
40 7	Total	1,506	318	868	179	184			1	2	4
Bay	Males	752	162	431	87	69				2	1
	Females_	754	156	437	92	65			1	-	3

TABLE 9 .- CONTINUED .- Births by Counties, Parent-Nativity, and Sex.

	1	Comment of the last of the las	-	NATIVITY	OF PARES	TS OF CI	HILDRE	N BOR	N,—188	3.	
COUNTIES.	SEX.	Children Born,	Both	Both	Foreign Father	Foreign Mother	Mor	HER K.	FAT	HER K.	k.
		1883.	Native- Born.	Foreign- Born.	and Native	and Native	Fath	ner.	Mot	her.	dp.
	1				Mother.	Father.	Na- tive.	For- eign.	Na- tive.	For- eign,	Both Unk.
-	Total	115	64	27	14	7		1			1
Benzie	Males	56	26	16	7	4		1			ı
	Females	59	38	11	7	3					
1	Total	659	473	79	55	26	6	7	6		1
	Males	336	238	41	27	20	4	2	1		
Berrien	Females .	322	234	38	28	6	2	5	5		
	Unknown	1	1								
	Total	448	370	31	18	14	4		3		
	Males	241	195	20	10	7	2		3		
Branch	Females.	206	174	11	8	7	2				
	Unknown	1	1								
	Total	694	494	85	63	29	2	3	4		1
terine -	Males	336	240	40	31	14		3	3		
Oalhoun	Females.	344	248	44	31	15	2		1		
	Unknown	14	6	1	1						
	[Total	320	283	8	19	6	1		2		
Cass	Males	172	158		7	3	1		2		i
	Females.	148	125	8	12	3		Section 1			
	Total	189	87	50	21	22	2		Comment.	1	-
Charlevoix	Males	98	40	26	10	16	2			1	
OHAIRO FOIA	Females	91	47	- 24	11	6		******			
	[Total	239	76	99	42	17			1	1	1
Chahavaan	Males	124	40	49	21	10			1	1	
Cheboygan	Females	115	36	50	21	1 7					Ì
						1000		10			
	Total	175	47	68	26	14	5 2	12	3	******	-
Chippewa	Males	82	21	33	14	7	3	5			-
	[Females	93	26	35	12	7	3	7	3		-
mania.	Total	87	38	25	8	10	*****	4	1	******	
Olare	Males	42	20	13	4	3	******	2			-
	[Females	45	18	12	4	7	******	2	1		1
	Total	460	311	57	54	31	4		1		1
Clinton	Males	229	149	30	29	17	2		1	******	1
	[Females	231	162	27	25	14	2			******	
	[Total	25	17		1	7					-
Crawford	Males	14	9			. 5					
	[Females	11	8		1	2				******	

TABLE 9 .- CONTINUED .- Births by Counties, Parent-Nativity, and Sex.

			-	NATIVITY	OF PARE	NTS OF C	HILDRE	N BOR	N,—188	3.	
COUNTIES.	SEX.	Born, 1883.	Both Native-	Both Foreign-	Foreign Father and	Foreign Mother and	Mor Us Fath	K.	FAT Us Mot	_	Unk.
		1000.	Born.	Born.	Native Mother.	Native Father.	Na- tive.	For-	Na- tive.	For- eign.	Both 1
	Total	268	75	142	27	19	2	1	1		1
elta	Males	142	42	74	13	9	2	1	1		
	Females.	126	33	68	14	10					
14	Total	598	512	24	32	24	2		3		13
Eaton	Males	301	250	13	20	14	2		1		13
- American	Females.	297	262	11	12	10			2		
	Total	162	98	30	17	12	1	1	1		
Emmet	Males	97	57	12	15	9	1	1	1		
	Females.	65	41	18	2	3					
	Total	687	444	87	82	61	6		7		
and the same	Males	349	215	53	47	30	3		1		
Genesee	Females.	336	227	34	35	31	3		6		
	Unknown	2	2								
	Total	17	6	7	2				1		
Gladwin	Mules	9	5	2	1				1		
	Females.	8	1	5	1				1		
	Total	284	140	86	25	17	1	1	1	2	
Secret Secret	Males	148	73	42	17	9				1	
Gr. Traverse	Females .	135	66	44	8	8	1	1	1	1	
	Unknown	1	1								
	Total	487	356	40	53	31			3		
Senior I	Males	243	173	19	29	17			3		
Gratiot	Females .	243	182	21	24	14					
	Unknown	1	1						2000		
	Total	478	428	12	19	14	1		3		
AND DESCRIPTION OF THE PARTY OF	Males	246	218	6	9	9	1		2		
Hillsdale	Females .	231	209	6	10	5			1		
	Unknown	1	1								
	Total	985	58	755	125	32			2	3	
	Males	510	33	384	67	21				1	
Houghton	Females .	474	25	371	58	11			1	2	
	Unknown	1			-				1		1
	Total	782	100	527	90	59		8	1	4	
Huron	Males	397	53	266	44	26		3	1	4	
	Females.	385	47		1	1		1	1	-	

TABLE 9.—Continued.—Births by Counties, Parent-Nativity, and Sea

		Children		NATIVITY	OF PARE	TTS OF C			<u> </u>		_
COUNTIES.	SEX.	Born,	B.45	7.45	Foreign	Foreign		HER (K.		HER IL.	١.,
000111		1883.	Both Native-	Both Foreign-	Father and	Mother	Fat	her.	Mot	her.	콥
			Born.	Born.	Native Mother.	Native Father.	Na- tive.	For- eign.	Na- tive.	For- eign.	Both Unk.
	Total	544	879	62	38	81	20	3	5		
Ingham	Males	264	195	23	21	11	8	2	8		
	Females.	280	184	39	17	20	12	1	2		
(	Total	874	407	58	66	80	4	1	5	1	
Ionia	Males	276	202	29	26	14	8		1		
	Females.	298	205	29	40	16	1	1	4	1	
!	Total	837	48	211	87	25	1	1	1	1	1
•	Males	182	24	119	17	14		1		1	
Iosco	Females.	154	24	92	20	11	1		1	<b></b> -	1
į	Unknown	1			•						l
1	Total	406	218	108	55	21		1	1		1
	Males	200	96	61	32	10					
Isabella	Females .	205	122	47	23	10		1	1		
	Unknown	1				1					<b> </b>
	Total	861	581	149	72	44	1		10		
Jackson	Males	422	279	- 76	34	25			5		1
	Females.	439	302	73	38	19	1		5		l
1	Total	556	850	111	53	28	8	1	9		l
Kalamazoo	Males	276	174	46	82	16	4	1	1		
į	Females.	280	176	65	21	12	4		1		]
	Total	56	27	12	5				<b> </b>		1
Kalkaska	Males	20	9	2	2						
	Females.	36	18	10	3						١.
1	Total	1,982	793	793	220	124	21	4	11	4	1
	Males	1,041	401	432	114	71	11	1	6	2	i .
Kent	Females.	940	391	361	106	53	10	8	5	2	
	Unknown	1	1								
	Total	274	16	208	41	4		2	1	1	
Keweenaw	Males	148	8	115	. 21	1		1	1	1	
(	Females.	126	8	93	20	3		1			
1	Total	110	56	32	17	8			2		
Lake	Males	57	32	12	10	2			1		
	Females .	53	24	20	7	1	l	l	1	l	ı

TABLE 9 .- CONTINUED .- Births by Counties, Parent-Nativity, and Sex.

		Children	-		OF PARES	1		HER		THER	1
COUNTIES.	SEX.	Born,	Both	Both	Foreign Father	Foreign Mother	U	VK.		KK,	F.
		1883.	Native- Born.	Foreign- Born.	and Native	and Native	Fat	her.	Mot	her.	Un
			20,111	Doran	Mother.	Father.	Na- tive.	For- eign.	Na- tive.	For-	Both Unk.
1	Total	652	284	165	109	84	1		4	1	- 4
	Males	332	150	84	48	46	1		1	1	1
Lapeer	Females.	319	133	81	61	38			3		3
	Unknown	1	1								
	Total	150	43	75	.15	14				1	2
Leelanaw	Males	74	20	31	, 9	11				1	2
	Females.	76	23	44	6	3					
	Total	664	471	64	56	28	13		16		16
Lenawee	Males	338	241	34	27	12	7		7		10
	Females .	326	230	30	29	16	6		9		6
	Total	326	239	29	83	19	1		1		4
Livingston	Males	181	141	13	19	7	1				
	Females_	145	98	16	14	12			1		4
	Total	38	26	6	5	1					
Mackinac	Males	17	14	1	1	1					
	Females.	21	12	5	4						
	Total	729	326	214	117	67		1	2		2
Macomb	Males	405	173	130	64	36			1		1
	Females.	324	153	84	53	31		1	1		1
	Total	592	126	385	46	28			3	1	3
	Males	331	76	211	24	34			2	1	3
Manistee	Females.	260	50	173	22	14			1		
	Unknown	1		1							
	Total	92	4	13	4	1					
Maniton	Males	13	3	6	3	1					
	Females	9	1	7	1						
	Total	1,139	107	885	83	34	1	3	2	9	- 00
Marquette	Males	582	61	443	45	19	1	2	1	1	1
-	Females.	557	46	442	38	15		1	1	2	12
	Total	315	134	108	46	17	9	2	2	2	1 5
Mason	Males	147	55	58	23	7		1	1	1	
	Females .	168	79	50	23	10	2	1	1	1	
	Total	374	183	107	45	35			1	1	
Mecosta	Males	212	107	53	28	23			1		
	Females.	162	76	54	17	12		-		1	1

TABLE 9.—Continued.—Births by Counties, Parent-Nativity, and Sex.

				NATIVIT	Y OF PARE	ита от С	HILDE	EN BOI	er,—18	38.	
COUNTIES.	SEX.	Children Born,	Both	Both	Foreign Father	Foreign Mother		EER EE,		HER K.	ند
		1883.	Native- Born.	Foreign. Born.	and Native	and Native	Fat	her.	Mot	her.	Q D
					Mother.	Father.	Na- tive.	For- eign.	Na- tive.	For- eign.	Both Unk
!	Total	432	55	310	42	17		6	1		1
Menomines.	Males	223	80	154	22	10		5	1		1
Manominea.	Females	207	25	155	19	7		1			
į	Unknown	2		1	1						
1	Total	185	95	53	19	14			2	1	1
Midland	Males	108	58	26	11	10		<b> </b>	2		1
-	Females	77	37	27	8	4		<b> </b>		1	
9	Total	85	29	81	9	9		<b></b>			7
Missaukee	Males	42	13	16	7	8			<b> </b>		
	Females	43	16	15	2	6					4
1	Total	766	522	114	83	84	4		5		4
¥	Males	426	281	69	50	18	2		4		2
Monroe	Females	338	240	44	33	16	2		1		2
	Unknown	2	1	1							 
1	Total	671	378	122	68	40	26	11	8		23
Montcalm	Males	837	179	66	52	22	16	8	1		13
1	Females	334	199	56	86	18	10	8	2		10
!	Total	22	7	9	1	5	<b></b>	<b> </b>			
Montmorency	Males	17	6	5	1	5					•
	Females .	5	1	4							••••
	Total	1,017	274	552	110	53	8	7	8	1	14
Muskegon	Males	498	141	264	54	18	1	6	2	1	6
	Females .	524	133	288	56	85	2	1	1	<u></u>	8
	Total	440	266	85	52	24			6		7
Newaygo	Males	250	150	50	28	13		 	8	<b> </b>	6
	Females .	190	116	35	24	11		<b> </b>	3	<b></b>	1
	Total	630	441	71	60	49	3	<b></b>	<b> </b>	1	5
	Males	321	234	28	80	26	2	<b> </b>			1
Oakland	{   Females	306	203	43	30	23	1	<b></b> .	<b> </b>	1	
	   Unknown	8	2				<b></b> .	<b> </b>			1
	Total	309	195	59	20	19	1	5		1	
•-	Males	157	98	   30	13	9	1	8	<b> </b>	1	
Oceans	{   Females,.	147	97	28	7	10	. <b></b> .	2			
	Unknown	5	<b> </b>	1							4
		<u> </u>	1	<u> </u>	I	1	l	<u> </u>		1	

TABLE 9.—Continued.—Births by Counties, Parent-Nativity, and Sex.

				NATIVIT	T OF PARE	NTS OF C	HILDR	EN BOI	in,—18	83.	
COUNTIES.	SEE.	Children Born,	Both	Both	Foreign Father	Foreign Mother	U	THEE NE.	U	THER NK.	Unk.
		1883,	Native- Born.	Foreign- Born,	Native Mother.	Native Father.	Na-	For-	Na-	For-	Both Ur
							tive.	eign.	tive.	eign.	n
	Total	43	16	16	6	5					
Ogemaw	Males	25	9	10	1	5					
	Females	18	7	6	5						
	Total	77	13	42	8	3		2	2	3	0
Ontonagon	Males	40	4	24	5	2		1	1		
	Females	37	9	18	3	1		1	1	3	b
	Total	384	178	120	45	34	1		3		
Osceola	Males	210	96	60	27	24			1		
Osceola	Females_	167	82	57	17	30			1		
	Unknown	7		3	1		1		1		1
	Total	18	12	2	2	1			1		
Oscods	Males	9	4	2	2	1					
	Females	9	8						1		
	Total	88	40	30	7	7			1		15
Otsego	Males	39	17	10	5	4			1		
	Females	49	23	20	2	3					
	Total	969	307	465	127	54	2	3	4	3	-
***	Males	501	163	236	67	28	1	1	3	2	
Otiawa	Pemales	461	142	226	59	26	1	2	1	1	
	Unknown	7	2	3	1						1
	Total	172	11	154	4	2		1			_
Presque Isle	Males	89	4	82	1	1		1			_
	Females.	83	7	72	3	1					
	Total	15	7	5	3					1	
Rescommon.	Males	7	1	3	2					1	
	Females.	9	6	2	1						
	Total	1,860	520	844	274	134	1	3	10	5	6
	Males	936	254	431	124	70	1	3	7	3	
Seginaw	Females_	913	254	411	100	64		1			,
	Caknows	11		2	1		!		!	l	۱,
	Total	765	168	443	123		İ	! !	1		_
Stailec	Males	364	6	230	66	37		! !			
	Females .		50	213	<u>ت</u>	. 43			1		
	(Total	23	,	9	1	i					1
Schooleraft.	7			5	1	i		:			
	Females_	7	3		•					1	•

TABLE 9.—CONTINUED.—Births by Counties, Parent-Nativity, and Sex.

COUNTIES.	Sex.	Children		1	Foreign	Foreign		THER KK.		THER KK.	
COUNTIES.	BEX.	Born, 1883.	Both Native-	Both Foreign-	Father and	Mother and	Fai	her.	Mot	her.	ä
		1883.	Born.	Born,	Native Mother.	Native Father.	Na- tive.	For- eign.	Na- tive.	For-	Both Unk.
	Total	456	305	74	51	24		1	1		
<b></b>	Males	233	158	31	26	15		1	1		<u> </u>
Shiawassee	Females	222	146	43	25	9	<b> </b> -		•		
	Unknown	2	1	1			<b></b>	<b> </b>			
	Total	976	836	394	156	77	<b> </b> -	1	3		6
St. Clair	Males	511	179	212	77	37			2	2	2
St. Clair	Females	462	156	180	79	40		1	1	1	4
	Unknown	8	1	9				 	ļ	<b> </b> -	
1	Total	480	. 315	61	31	14	22	5	3	<b></b>	≤
St Totanh	Males	250	170	34	19	5	11	4	2		
8t. Joseph	Females	205	145	27	12	9	10	1			l
I	Unknown	5		ļ	<b></b>		1	<b></b> .	1		l
	Total	729	320	202	101	96	2	8		3	Ī
Tuscola	Males	389	179	110	48	47	1	8			l
T #BOOIS	Females	839	140	92	53	49	1		ļ	9	
	Unknown	1	1	<b></b>							– ·
	Total	535	438	28	31	27	8		4	ļ	4
Van Buren	Males	279	230	17	14	14	1		8		
Van Dulon	Females	255	208	11	17	13	2		1	<b> </b>	8
	Unknown	1									1
	Total	614	847	111	88	45	2		8	1	17
Washtenaw	Males	330	186	65	48	24	• • • • • •		1		6
Wasa cond !!	Females	282	160	46	39	21	2	•	2	1	11
	Unknown	2	1		1				•		ļ
	Total	5,358	1,382	2,707	651	349	1		32	44	193
Wayne	Males	2,908	764	1,451	356	193	1		16	26	101
	Females	2,449	618	1,255	295	156			16	18	91
į	Unknown	1		1	•••••	••••					ļ
	Total	205	114	53	21	13	1		1		3
Wexford	Males	102	59	29	6	5		•••••	1		3
į	Females	103	55	24	15	8	1				

## TWIN CHILDREN, 1883.

The returns of births for 1883 show that 466 pairs of twins were born in Michigan during that year, which was 36 more than were recorded in 1882, and was the largest number ever returned in this State. In 138 cases both children were males, in 140 cases both were females, and in 188 cases there was one child of each sex, making 464 male and 468 female children, with a total of 932. The male and female twins were very equally divided, there being 99 males to every 100 females. Table 10 shows, by months, the number of pairs of twins, and the number of twin children for the year 1883. The month of May stands at the head of the list with the largest number of twin births, and the month of January at the foot with the smallest number. During the year 1883, one twin birth occurred to every 86 single births.

TABLE 10.—Exhibiting, by Sex, the Number of Pairs of Twins and Twin Children returned for the Year 1883.

	YEAR	NUMBEI	of Twi	CHILDR	EN, 1883.		NUMBER	OF PAIR	s of Twi	ns, 1883.	
3	AND IONTHS, 1883.	Total.	Males.	Fe- males.	Males to 100 Fe- males.	Total.	Males.	Fe- males.	One of Each Sex.	Males to 100 One of Each Sex,	Males to 100 Fe- males.
Year,	1883	932	a 464	b 468	99	466	138	140	188	73	99
e pe	May	124	62	62	100	62	16	16	30	53	100
Av. No. of Twins.	September.	86	48	38	126	43	16	11	_ 16	100	145
T'e	December.	86	47	39	115	43	14	10	19	74	140
Mo	June	78	48	30	160	39	15	6	18	83	250
Av. p	er month	78	39	89	100	38.8	12	12	16	75	100
	[February	74	32	42	76	37	10	15	12	83	67
0,	April	74	38	36	106	37	13	12	*12	108	108
. F.	July	74	37	37	100	37	11	11	15	73	100
vins.	August	72	30	42	71	36	6	12	18	33	50
Leas than the Av. No. of Twins.	March	70	80	40	75	35	11	16	. 8	138	69
O N	November_	70	36	34	106	35	9	8	18	50	113
Lo	October	64	30	34	88	32	9	11	12	75	82
	January	60	26	34	76	30	8	12	10	80	67

Includes 40 still-born, 4 Black, 5 Mulatto, and 4 illegitimates.
 Includes 22 still-born, 2 Black, 1 Mulatto, 2 Indian, and 6 illegitimates.

The facts in regard to the nativity of the parents of twins may be studied in Table 11. The evidence here set forth indicates that 44.42 per cent of all the twin births were of native-born parents, and 37.12 per cent were of foreign-born parents. Comparing this table with Table 7 it will be observed that the proportion of foreign-born parents was greater for twins than for all children born, and of native-born parents the proportion is larger, but not so marked as in the foreign-born. All this tends to show that there is a larger twin birth-

rate among the foreign-born parents than among the native, and as this has been the evidence of former years it seems to be quite conclusive.

TABLE 11.—Parent-Nativity of Twins Returned in Michigan for 1883.

			PAII	RS OF T	WINS, 18	383.		
NATIVITY OF PARENTS OF TWINS, 1883.		Num	BER.		NAT		TOTAL	
-	Total.	Males.	Fe- males.	One of Each.	Total.	Males.	Fe- males.	One of Rech.
All Nativities	466	138	140	188	100.00	100.00	100.00	100.00
Both Native born	207	70	59	78	44.42	50.78	42,14	41.40
Both Foreign-born	173	37	63	73	37.12	26.81	45.00	88.81
Foreign Father and Native Mother	50	16	10	24	10.78	11.59	7.14	19.77
Foreign Mother and Native Father	22	10	6	6	4.72	7.25	4.29	8.11
Unknown Mother, Father Native					j			
Unknown Mother, Father Foreign	<b> </b>							
Unknown Father, Mother Native	1	1			.22	.72		<b> </b>
Unknown Father, Mother Foreign								 
Both Unknown	13	4	2	7	2.79	2.90	1.43	8.79
One or Both Native	280	97	75	108	60.09	70.29	53.57	57.4
One or Both Foreign	245	63	79	103	52.58	45.65	56 43	54.71

The nativity and color of mothers of twin children for each of the years 1881, 1882, 1883, and also the average for ten years 1873-1882, may be studied in Table 12. The average for the ten years indicates that the largest proportion of twins was among the foreign-born mothers, and also among the Black and Mulatto mothers.

TABLE 12.—By Nativity and Color of Mothers, the Number and Proportion of Twin Births returned for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882.

NATIVITY		1881.			1882.			1883.		Av	for 10 Y 1873-188	ears,
AND COLOR OF MOTHERS OF TWINS, 1881-1883.	No. of Pairs of Twins.	Whole Number of Mothers, in- cluding those of Twins.	of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, in- cluding those of Twins,	of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, in cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, in- cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.
Mothers of all Colors and all Nativities	372	34,367	1.08	130	36,578	1.18	466	40,325	1.16	398	33,767	1.18
All Native-born Mothers	218	20,001	1.09	220	20,504	1.07	258	22,323	1.16	219	19,214	1.14
All Foreign-born Moth-	153	13,608	1.12	199	15,252	1.30	195	17,138	1.14	171	13,596	1.26
Mothers of Unknown Nativities	1	758	.13	11	822	1.34	13	864	1.50	8	957	.84
White	364	34,013	1.07	424	36,225	1.17	459	39,953	1.15	393	33,288	1.18
Black	3	116	2.59	2	131	1.53	3	116	2.59	2	126	1.57
Mulatto	2	82	2.44	3	103	2.91	3	113	2.66	2	88	2.27
Indian	2	93	2.15	1	117	.85	1	126	.71	2	134	1.49
Unknown	1	63	1.59		2			17		1	131	.76
Black and Mulatto	5	198	2.53	5	234	2.14	6	229	2,62	-	214	1.87

# TRIPLET CHILDREN, 1883.

TABLE 13.—Exhibiting certain details concerning Triplet Children returned for the Year 1883.

	TR	IPLET CHILI	DREN, 1	1883.		PAREN	rs of Triplets,	1883.	
COUNTIES.	Month			SEX.		Birthplace	Birthplace	Occupation	
	of Birth, 1883.	Color.	Males.	Fe- males.	Unk.	of Father.	of Mother.	of Father.	
Alpena	Мау	White		3		Norway	Norway	Farmer.	
Bay	July	White	3			Canada	Canada	Foreman.	
Berrien	April	Whito		3		Germany	Germany	Laborer.	
Calhoun	June	White	3			Michigan	Michigan	Painter.	
Lake	December	White		3		Canada	Michigan	Farmer.	
Marquette	August	White	a 1	2		Canada	England	Explorer.	
Newnygo	August	White		ъ3		Sweden	Germany	Laborer.	
Ottawa	Мау	White	3			Holland	Holland	Farmer.	
Wayne	February_	White	3			Canada	Michigan	Railroader	

<sup>\*</sup> Male still-born. & I female still-born.

There were nine cases of triplets returned for the year 1883, the same number as recorded for 1882. In one case the parents were both native, in six both were foreign, while in two cases there was a mixed parentage. In the set returned from Marquette county the male was still-born, and in the set from Newaygo county one female was still-born. There were 13 males, and 14 females, all white.

Table 14 shows the variation in the number of plural births as returned

from year to year, also the average for the fourteen years 1870-1883.

By an examination of Table 15, where the parentage of plural births is given for a series of years, also the average for fourteen years, it will be seen that the percentage of foreign-born and mixed parentage was greater than the average, while the percentage of native-born and unknown parentage was less than the average.

TABLE 14.—Plural Births,—Fourteen Years,—1870-83.

YEARS.	Pairs of Twins,	Cases of Triplets,	No. of Births to One Pair of Twins.	No, of Births to One Case o Triplets,
1870	339	4	79	6,666
1871	298	3	87	8,664
1872	342	5	82	5,529
1873	420	4	82	8,652
1874	408	2	76	15,526
1875	370	. 1	86	31,958
1876	428	8	80	4,275
1877	367		91	33,398
1878	427	3	82	11,72
1879	402	2	85	17,061
1880	358	5	99	7,068
1881	372	5	93	6,950
1882	430	9	86	4,114
1883	466	9	88	4,584
Average	388	4	85	12,013

TABLE 15 .- Parentage of Plural Births, -Fourteen Years, -1870-1883.

YEARS.	Totals.	NATIV	E-BORN.	FOREIG	N.BORN.	Mr	XED.	UNK	NOWN.
TEARS.	Totals,	Num- bers,	Percent-	Num- bers-	Percent-	Num- bers.	Percentages.	Num- bers.	Percent ages.
1870	690	344	49.86	204	29.57	84	12.17	58	8.40
1871	605	270	44.63	215	35.54	48	7.93	72	11.90
1872	699	307	43,92	272	38.91	87	12.45	33	4.72
1873	852	390	45.78	330	38.73	120	14.09	12	1.40
1874	822	329	40.03	321	39.05	140	17.03	32	3.89
1875	743	271	36.47	318	42.80	124	16.69	30	4.04
1876	880	391	44.43	322	36.59	143	16.25	24	2.73
1877	734	334	45.51	252	34.33	122	16.62	26	3.54
1878	863	402	46.58	291	33.72	142	16,45	28	3.25
1870	810	374	46.17	236	29.14	188	23.21	12	1,48
1880	781	341	46,65	276	87.75	104	14.23	10	1.37
1881	759	355	46.77	270	35.57	124	16.34	10	1.39
1882	887	350	39.46	358	40.36	153	17.25	26	2,93
1883	959	417	43.48	364	37.96	150	15.64	28	2.93
Average	788	348	44.16	283	36.55	123	15.61	29	3.68

#### STILL-BIRTHS, 1883.

There were 884 still-births reported for the year 1883, of which 513 were males, 328 females, and 43 in which the sex was not returned. This is the largest number ever recorded in this State, and there has been a constant increase since 1881. The average annual number for the ten years 1873–1882 was 657, which was 227 less than the number returned in 1883. It will be observed that, in 1883, 2.17 per cent of all the births were still-born, and 2.14 per cent of all the mothers, who bore children during the year, gave birth to still-born children, as shown in Table 16. The average for ten years is much less than this.

According to the facts presented in Table 17, a larger proportion of the foreign-born mothers bear still-born children than the native, and as this has been the case for every year, it seems to be an established fact. By an examination of the average for ten years, it will be observed that a much larger proportion of the Black and Mulatto mothers have still-births than the mothers of any other color.

TABLE 16.—The Relation of Still-births to all Births, and the Relation of Mothers of Still-born Children to all Mothers returned for each of the Years 1880, 1881, 1882, 1883, and the Average for Ten Years 1873-1882.

	TOTAL BIRTHS AND STILL-BIRTHS.									
CHILDREN AND MOTHERS.	1880,	1881.	1882.	1883,	Average fo 10 Years, 1873-1882.					
All Children born	35,323	34,749	37,026	40,809	34,173					
Still-born Children	738	691	792	884	657					
Per Cent of Still-born to Total	2.09	1.90	2.14	2.17	1,92					
All Mothers	34,953	34,367	36,578	40,325	33,767					
Mothers of Still-born Children	723	678	771	863	637					
Per Cent of Mothers of Still-born Chil- dren to All Mothers	2.07	1.97	2.11	2.14	1.89					

TABLE 17.—By Nativity and Color, the Number and Proportion of Mothers having Still-births for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882.

		1881.			1882.			1883.		Av. for 10 Years, 1873-1882.			
NATIVITY AND COLOR OF MOTHERS.	Mothers having Still-births.	Whole Number of Mothers, includ- ing those of Still- births.	Per Cent of Mothers of still-births to all Mothers.	Mothers having Still-births,	Whole Number of Mothers, includ- ing those of Still- births.	Per Cent of Mothers of Still-births to all Mothers.	Mothers having Still-births.	Whole Number of Mothers, includ- ing those of Still- births.	Per Cent of Mothers of Still-blrths to all Mothers.	Mothers having Still-births.	Whole Number of Mothers, includ- ing those of Still- births.	Per Cent of Mothers of Still-births	
Mothers of all colors and all nativities	678	34,367	1.97	771	36,578	2.11	863	40,325	2.14	637	33,767	1.89	
All native-born mothers	352	20,001	1.76	358	20,504	1.75	398	22,323	1.78	312	19,214	1.63	
All foreign-born mothers Mothers of unknown	272	13,608	2.00	306	15,252	2.01	334	17,138	1.95	257	13,596	1,89	
Nativities	54	758	7.12	107	822	13.02	131	864	15.16	68	957	7.11	
White	650	34,013	1.91	760	36,225	2.10	846	39,953	2,12	618	33,288	1.86	
Black	6	116	5.17	9	131	6.87	2	116	1.72	4	126	3.15	
Mulatto	5	82	6.10	1	103	.97	1	113	.88	3	88	3,41	
Indian		93		1	117	.85	1	126	.79	1	134	.75	
Unknown	17	63	26.98		2		13	17	76.47	11	131	8.40	
Black and Mulatto	11	198	5.56	10	234	4.27	3	229	1.31	7	214	3.27	

The subject of still-born children may be still further studied in Tables 18 and 19.

TABLE 18.—Parent-Nativity of Still-born Children returned for the Year 1883.

			STILI	-BOBN CI	HILDBEN	, 1883.			
NATIVITY OF PARENTS OF STILL-BORN CHILDREN, 1883.		Nux	BER.		PER CENT OF EACH PARENT- NATIVITY TO TOTAL OF ALL NATIVITIES.				
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Unk.	
All Nativities	884	513	328	43	100.00	100 00	100,00	100,00	
Both Native-born	325	193	119	13	36.76	37.62	36.28	30.23	
Both Foreign-bornForeign Father and Native	300	185	107	8	33.94	36.06	32,62	18.60	
Mother	81	48	31	2	9.16	9.36	9.45	4.65	
Foreign Mother and Native Father Unknown Mother, Father Na-	40	21	19		4.52	4.09	5.80	******	
Unknown Mother, Father For- eign Unknown Father, Mother Na-	2	1	1		.23	.20	,30		
LIVE	3		2	1	.34		.61	2.33	
Unknown Father, Mother For-	2		2		23		.61		
Both Unknown	131	65	47	19	14.82	12.67	14.33	44.19	
One or Both Native	449	262	171	16	50.79	51.07	52.13	37.21	
One or Both Foreign	425	255	160	10	48.08	49.71	48.78	23,26	

TABLE 19 .- Exhibiting, by Sex, the Parent-Nativity, and by Sex and Months, the Number of Still-births Returned in Michigan for the Year 1883.

A DESCRIPTION OF THE PARTY OF T		MONTHS, 1883. NATIVITY OF				Монтив, 1883.								PARENTS OF STILL-BIRTHE, 1883.									
SEX OF STILL-BIRTHS, 1883.	Year, 1883.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Native.	Foreign.	Foreign Father and Native Mother,	Foreign Mother and Native Father.	U	Foreign.	Native.		Both Unknown,
Total	a 884	60	54	73	79 (	58	52 8	37	87	93	69	75	87	2	325	300	-	40	THE REAL PROPERTY.	1 2	3	102	131
Males	ъ 513	37	29	36	49	39 5	28 5	50	44	62	37	44	56	2	193	185	48	21	1.5	1	3	200	60
Females	• 328	21	21	33	26	26 5	20 3	13	39	25	27	29	28	22	119	107	31	19		1	2	2	47
Unknown	4 43	2	4	-2	4	3	4	4	4	6	5	2	3		13	8	2		2411	104	1	1	19

<sup>\*</sup> Includes 10 pairs and 6 half-pairs male twins; 4 pairs and 4 half pairs female twins; 7 pairs: wins one of each sex, 7 male twins and 3 female twins; and 2 triplet children.

b Includes 1 triplet child, 2 Black, and 2 illegitimate.

c Includes 1 triplet child, 1 Indian, 1 color unknown, and 6 illegitimate.

4 Includes 1 Mulatto, 12 color unknown, and 2 illegitimate.

The following table shows the number of males to 100 females among children born alive, still-births, and illegitimates. The universal rule in this State has been an excess of males among total births and still-born. Table 20 affords a comparison with regard to sex, in 1882, 1883, and the previous twelve years. It will be noticed that the disparity of the sexes among the stillborn is greater than for the others.

TABLE 20 .- Births .- Proportion of Males to Females .- Fourteen Years.

		1882.	1883.	Previous Twelve Years.
	Males	18,741	20,683	196,435
Born alive	Females	17,466	19,204	182,258
	Unknown	27	38	420
Males to 100 female	8	107	108	108
	ſ Males	438	513	3,446
Still-born	Females	321	328	2,426
	Unknown	33	43	370
Males to 100 female	8	136	157	149
	Males	145	155	1,637
Illegitimate	Females	154	153	1,497
	Unknown	2	3	31
Males to 100 female	8	94	161	109

## ILLEGITIMATE CHILDREN, 1883.

Among the illegitimate births returned in 1883, there were 155 males, 153 females, and 3 whose sex was not reported—a total of 311. Of the whole number registered, Wayne county contributed 144, nearly one-half, and the rate of illegitimates to the total number of births in the county was 26.8 to 1,000; while in the State at large it was 7.6 to 1,000. There was a slight increase over the number returned for 1882, but it is still much less than the number reported for 1880 and 1881. The average annual number for fifteen years 1868–1882 was 247, and the average for ten years 1873–1882 was 293.

Table 22 shows the nativity and color of mothers of illegitimate children for the years 1881, 1882, 1883, and the average for ten years 1873-1882. Of course it is to be expected that the records of these births will be very incomplete, but the omissions are about the same from year to year. The greatest proportion of mothers of illegitimates to all mothers appears for the Indians, and the smallest for the Whites.

Table 24 contains some important evidence on this subject, as it shows the illegitimate birth-rate among the different races for the year 1883. The birth-rate is seen to be much larger among the Indians, and Black and Mulatto han among the White.

As these calculations are based upon the population of 1880, of course they are not accurate, but are good for purposes of comparison with other years.

TABLE 21.—The Relation of Illegitimate Children to all Children born for the Years 1880-1883, and the Average for Ten Years 1873-1882.

and the second second second	TOTAL BIRTHS AND ILLEGITIMATES.										
CHILDREN AND MOTHERS.	1880.	1881.	1882,	1883.	Average fo Ten Years 1873-1882.						
All Children born	35,323	34,749	37,026	40,809	34,178						
Illegitimate Children	425	382	301	311	293						
Per Cent of Illegitimates to Total	1.20	1.10	.81	.76	.86						
All Mothers	34,953	34,367	36,578	40,325	33,767						
Mothers of Illegitimate Children Per Cent of Mothers of Illegitimates	423	.378	299	306	291						
to all Mothers	1.21	1.10	.82	.76	.86						

TABLE 22.—By Nativity and Color, the Number and Proportion of Mothers of Illegitimates returned for the Years 1881–1883, and the Average for Ten Years 1873–1882.

		1881.			1882.		10	1883.	-0.	Av. for 10 Years, 1873-1882.		
NATIVITY AND COLOR OF MOTHERS.	Mothers having II. legitimates.	Whole Number of Mothers, including those of Illegiti- mates.	Per Cent of Moth- ers of Illegitimates to all Mothers.	Mothers having II-	Whole Number of Mothers, including those of Illegiti- mates.	Per Cent of Mothers of Illegitimates to all Mothers.	Mothers having Il- legitimates	Whole Number of Mothers, including those of Illegiti- mates.	Per Cent of Mothers of illegitimates to all Mothers,	Mothers having Il-	Whole Number of Mothers, including those of Illegiti- mates.	Per Cent of Moth- ers of Illegitimates to all Mothers.
Mothers of all Colors and all Nativities	378 185 96 97	34,367 20,001 13,608 758	1.10 .92 .71 12.80	299 143 77 79	36,578 20,504 15,252 822	.83 .70 .50 9.61	306 135 85 85	40,325 , 22,323 17,138 864	.76 .60 .50 9.84	291 139 72 80	33,767 19,214 13,596 957	.86 .72 .53 8,86
White	365	34,013	1.07	275	36,225	.76	289	39,953	.72	268	33,288	.81
Black	6	116	5.17	9	131	6.87	5	116	- 4.31	7	126	5.56
Mulatto	3	82	3.66	4	103	3.88	5	113	4.42	4	88	4.55
Indian	4	93	4.30	11	117	9.40	7	126	5.55	10	134	7.46
Unknown		63		****	2	,		17		2	131	1.53
Black and Mulatto	9	198	4.55	13	234	5.56	10	229	4.36	11	214	5.14

TABLE 23.—Exhibiting, by Sex, the Number by Months, and the Nativity of Parents of Megitimates returned for the Year 1883.

Tr.		Unknown.	247	119	125	60
I so	×.	Born in other Conntries.	100	4	9	1
T OF FATHERS OF	FOREIGN	Born in Canada.	90	5	5	1
FATH ATES,	FO	Total.	98	0	11	1
OF	4	Born in other States.	00	5	60	1
IVITY	NATIVE.	Born in Michi-	36	81	14	1
NAT	Z	Total,	44	22	17	1
LI.R.		Опквомв.	88	36	51	-
OF I	N.	Born in other	51	24	27	1
188 s, 188	FORRIGN.	Born in Canada.	88	65	13	1
MOTE	Fo	Total.	86	46	40	1
NATIVITY OF MOTHERS OF ILLE. NATIVITY OF FATHERS OF ILLE- GITHATES, 1883.	12	Born in other States.	37	15	16	1
VITY	NATIVE.	Born in Michi-	100	52	46	04
NAT	N	Total.	187	73	63	04
1		Unknown,	1	1	1	1
		December.	8	9	14	-
		November.	25	13	7	-
		October.	88	10	18	1
80		September.	20	12	90	1
Моктив, 1883.		August.	24	15	9	
нв,	-	July.	36	20	15	-
ONT	1	June	22	17	7	1
M		May.	28	19	15	-
	-	April.	20	6	12	-
		Жатећ.	33	18	17	
		February.	90	00	12	1
		January.	28	9	19	1
		1883.	a 311	b 155	e 153	40
	SEX OF	HLEGITI. MATES.	Total	Males	Females	Unknown

. Includes 2 males, 6 females, and 2 unknown sex, still-born; I pair male twins, 2 pairs female twins, and 2 pairs I of each sex. b Includes 4 Black, 2 Mulatto, and 5 Indian.

e Includes 1 Black, 2 Mulatto, and 2 Indian.

Table 24 shows the proportion of illegitimate births to every thousand births for the years 1870–1883, and the average for the fourteen years. It will be observed that the year 1883 is below the average.

The average excess in the percentage of native-born mothers of illegitimates over the foreign-born for a period of fourteen years, 1870–1883, was 21.1. For the year 1883 the excess was only 16.4, as may be seen in Table 25.

TABLE 24.—Illegitimate Births registered in Fourteen Years, 1870-83.

		BORN OUT OF LOCK.		CHILDREN BORN OUT O WEDLOCK.			
YEARS.	Numbers.	To every 1,000 Births.	YEARS.	Numbers.	To every 1,000 Births.		
1870	155	3.81	1877	316	9.46		
1871	183	7.04	1878	903	5.74		
1879	199	7.11	1879	292	8.56		
1873	316	9.13	1880	495	19.03		
1874	236	7.57	1861	383	10.99		
1875	193	6.04	1892	301	8.13		
1876	266	7.77	1883	311	7.63		
Average 14 years				270	8.07		

TABLE 25.—Illegitimate Births.—Nativity of Mothers.—14 Years.

YEARS.	Totals.	NAT	rive.	For	RIGN.	UNENOWE.		
I BARO.	100818.	Num- ber.	Percent.	Num- ber.	Percent.	Num- ber.	Percent.	
1870	155	86	55.48	41	26.45	28	18.07	
1871	188	75	40.98	74	40.44	34	18.58	
1879	199	101	50.76	65	32.66	33	16.58	
1873	316	128	40.51	95	30.06	93	29.43	
1874	236	110	46.61	93	39.41	33	13.98	
1875	193	96	49.74	32	16.58	65	83.66	
1876	266	173	65.04	58	19.92	40	15.04	
1877	316	161	50.95	80	25.32	75	23.73	
1878	202	114	56.44	34	16.83	54	26.73	
1879	292	137	46.92	90	30.82	65	23,26	
1880	425	148	34.82	78	17.18	204	48.00	
1881	382	187	49.95	98	25.65	97	25.40	
1882	301	145	48.17	77	25.58	79	26,25	
1883	311	137	44.05	86	27.65	68	26.20	
Average	270	128	47.4C	71	26.80	71	<b>38</b> 4	

TABLE 26.—Exhibiting, by Color and Sex, the Population of 1880, the Number of Illegit mates returned for the Year 1883, and the Per Cent of such Children to Inhabitants.

COLOR OR RACE.	SEX.	Population June 1, 1880, Represent- ed by Births in 1883.	Total [liegitimate Births, 1883.	Per Cent of Births to Popula- tion.	Per Cent of each Sex to Total of Both Sexes.	Number of Inhabit- ants to one Illegitimate Child of the same Color.
	Total	<b>1,633,060</b>	811	.02		5,251
,	Males	859,948	155	.02	50.32	5,548
All Colors	Females	773,117	153	.02	49.68	5,053
	Unknown.		8			
	Total	1,610,917	294	.02	•••••	5,479
White	Males		144		49.32	
W 1166	Females		148		50.68	
	i Unknown.		2			•••••
	Total	<b> </b>	5			•••••
Black	Males		4	<b> </b>	80,00	
	(Females	<b></b>	1		20.00	••••
	Total		5			
Mulatto	Males		2	 	50.00	
Mulatio	Females		2		50,00	
	Unknown.		1			
	Total	7,029	7	.10		1,004
Indian	Males		5		71.43	
	Females		2		28.57	
		<u> </u>		ļ		
Black and Mulatto	Total	15,086	10	.07		1,509
	Males		6		66.67	
	Females		3		33.33	
	Unknown.		1			

<sup>•</sup> Includes 28 Asiatics.

TABLE 27.—Exhibiting, by Counties, the Number of Pairs of Twins, and the Number of Illegitimate and Still-born Children returned for the Year 1883.

STATE AND COUNTIES.	Number of Pairs of Twins Born in 1883.	Number of lilegit- imate Children Born in 1883.	Number of Still- births in 1883.	COUNTIES.	Number of Pairs of Twins Born in 1883.	Number of Illegit- imate Children Born in 1883.	Number of Still- births in 1883.
State	466	811	884	Kewceraw	2	2	6
Alcona	1		1	Lapeer	10	8	7
Allegan	8	1 1	17	Leelanaw	1	2	7
Alpena	5	2	8	Lenawee	9	1	9
Antrim		1	4	Livingston	1		2
Arenac		•••••	3	Macomb	7	5	12
Baraga			1	Manistee	12	2	24
Barry	1	4	5	Marquette	10	8	21
Bay	22	4	27	Mason	6		11
Benzie	2	1	11	Mecosta	4	4	3
Berrien	7	5	13	Menominee	2		4
Branch	8	8	10	Midland	2	2	8
Oalhoun	18	1 1	17	Missaukes	2		4
Cass	8	1	5	Monroe	16	5	- 24
Charlevoix	4	1	8	Montcalm	5	2	12
Cheboygan	3	8	2	Montmorency	. 9		1
Chippewa	1	4	1	Muskegen	16	2	14
Clare	1		2	Newaygo	8		8
Clinton	6	1	10 İ	Oakland	8	1	18
Crawford			ī	Oceana	ı	i	5
Delta	6	2	5	Ogemaw	ī	•	
Eaton	8	8	6	Ontonagon	î	3	1
Emmet	9		4	Osceola	7	2	22
Genesee	8	5	11	Otsego	• •	-	9
Gladwin	1	١	1	Ottawa	15	4	26
Grand Traverse	2	1	7	Presque Isle	1	•	1
Gratiot	5	3	n	Roscommon		1	1
Hillsdale	a l	3				- 1	56
	12	7	4	Saginaw	20 7	5 2	36 15
Houghton			82	Sanilac	8	2	10
Haron	8	6	13	Shiawassee	8 9		•
Ingham	9		12	St. Clair	- 1	5	41
Ionia	11	2	9	St. Joseph	5	4	20
Iosco	2		4	Tuscola	10	8	8
Imbella	5	1	5	Van Buren	6	5	10
Jackson	6	4	4	Washtenaw	8	19	9
Kalamazoo	8	1	11	Wayne	54	144	135
Kent	21	7	83	Wexford	8		7

Table 28 shows the townships in Michigan in which it was reported that no births occurred in 1883. Eleven of these townships were organized since the census of 1880 was taken, and the remaining ones represent a population of 2,263.

TABLE 28.—Townships in which it was Reported there were no Births in 1883.

		Popt	1880		
COUNTIES.	Townships—No Births in 1883.	Total	Males.	Females	
Total		2,263			
Oheboygan	Nunda			•••••	
Iosco	`	217			
Kalkaska	Springfield	404	242	162	
Lake	Eden	92	49	- 43	
Midland	•				
Missaukee	Caldwell		5%	59	
	Cumming	1	91 210	81 96	
Ogemaw					
•	Klacking	470			
	Mills	1	1		
	Big Creek	i .		1	
Oscoda	Long Lake				
	Mentor				
Otaego	Charlton	100	65	35	
Roscommon	Gerrish	·	196	18	
	( Nester		228	6	
Schoolcraft	Germfask				
	( репед	`l	l		

<sup>·</sup> Organized since census was taken.

Table 29 gives the names of the townships from which no returns of births were received for the year 1883. These delinquent towns represent a population of 3,877. In nearly every case the supervisors failed to make the proper returns to the county clerk.

TABLE 29.—Exhibiting the Counties and Townships from which no Returns of Births in 1883 were received.

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF BIETHS WERE RECRIVED FOR 1883.	Popul	2,412		Total White.	Total Black and Mulatto.	g Total Indian.	Total Native.	Total Foreign.
Clare  Delta  Isle Royal  Mackinso  Montcalm  Schoolcraft	Frost	148 78 55 484 910 1,982 970	112 43 31 294 482 1,276 174	36 35 24 140 428 706 96	148 78 55 409 762 1,961 210	18 1	25 185	34 817 747 1,567	21 117 163 415

## MARRIAGES, 1883.

The total number of marriages as first returned by the county clerks, in 1883, was 16,420, a number more by 242 than was originally returned and published for 1882. Since the compilation of the marriages in 1882 there have been 530 more returned for that year with the returns for 1883. The law requires all persons, who are authorized to solemnize marriages in this State to make a record of each marriage and to deliver to the clerk of the county in which such marriage took place, within ninety days thereafter, a certified copy of such record. There seems to be no excuse for the frequent violation of this law.

The average annual number of marriages, as first returned, for the thirteen years 1870-1882, was 11,875. The average annual number for the same period of years, when the marriages are corrected for additional returns up to

December 22, 1884, was 12,713, a difference of 838.

Based upon the population of 1880, the marriage-rate in 1883, the number of marriages to every thousand of the population was 10.03; that is to say, of every thousand of the inhabitants at all ages, twenty were married. Using the estimated population of the State for the year 1883, the number of marriages to every thousand of the population would be 9.10, or 18.20 persons.

The average number of marriages for each of certain specified periods of

time, during the year 1883, was as follows:

Total number of marriages	16,420
Average number per quarter.	4,105
Average number per month	1,368
Average number per week	368
Average number per day	45

Table 30 enables us to study the proportion of marriages solemnized in different quarters of the year for each of the years 1880-1883, and the average for ten years 1873-1882. As in former years, the last quarter shows the largest proportion of marriages, this being true not only for each year in the table, but also for the average for ten years. The order of preference for the four quarters, in 1883, was as follows: fourth, second, third, first. The order of the quarters for the average was, fourth, third, first, second. The last quarter of the year has always been preferred by Michigan people as the season best suited for marriage contracts.

TABLE 30. — Marriages by Quarters of the Year for each of the Years 1880-1883, and the Average for Ten Years 1873-1882, Corrected for additional Returns up to December 22, 1884.

TOTALS AND MONTHS WITH	188	30.	188	81.	18	82.	188	83:	Average for 10 Years, 1873-1882.		
WHICH QUARTERS END.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	
Totals	14,935	100.00	15,838	100.00	16,708	100.00	16,420	100.00	13,421	100.00	
March	3,348	22,42	3,473	21.93	3,627	21.71	3,696	22.51	3,026	22,55	
June	3,262	21.84	3,473	21.93	3,723	22.28	3,966	24.15	2,925	21.79	
September	3,639	24.36	3,810	24.06	3,991	23,89	3,954	24.08	3,224	24.02	
December	4,683	31.36	5,079	32.07	5,356	32.06	4,798	29.22	4,240	31.59	
Unknown	3	.02	3	.02	11	.06	6	.04	6	.05	
Average	3,734	25.00	3,960	25,00	4,177	25.00	4,105	25.00	3,355	25.00	

<sup>.</sup> Including marriages in unknown quarter of the year.

TABLE 31.— Marriages by Quarters of the Year for each of the Years 1880-1883, and the Average for Ten Years 1873-1882, as originally returned and published in Reports.

TOTALS AND MONTHS WITH	188	80.	1881.		18	82.	18	83.	Average for 10 Years, 1873-1882.		
WHICH QUARTERS END.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	
Totals	14,149	100.00	14,847	100,00	16,178	100.00	16,420	100,00	12,516	100.00	
March	3,261	23.05	3,376	22.74	3,577	22.11	3,696	22,51	2,932	23.43	
June	3,151	22,27	3,368	22.69	3,644	22.52	3,966	24.15	2,809	22.44	
September	3,472	24.54	3,630	24.45	3,878	23.97	3,954	24.08	3,045	24.33	
December	4,262	30.12	4,471	30.11	5,068	31.33	4,798	29.22	3,724	29,75	
Unknown	3	.02	2	.01	11	.07	6	.04	6	.05	
Average	3,537	25,00	3,712	25.00	4,045	25,00	4,105	25.00	3,129	25.00	

<sup>.</sup> The number in unknown quarter of year included.

Table 31 differs from Table 30, in as much as the former shows the number and proportion of marriages solemnized in each of the years 1880-1883 as first returned, tabulated and published, without the corrections for additional returns. A comparison of the two tables will show the number of marriages which has been added to the original number as first returned, for each year, and also how frequently the marriage law is violated in this State.

In 1883, the largest number of marriages was returned for October, and the smallest number for March. In the average for ten years the largest number appears for December and the smallest for June. It may also be observed, in Table 32, that the month of November is either the first or second month in order for each year and the average.

TABLE 32.—Marriages by Months, greatest first, for the Years 1881-1883, and the Average for Ten Years 1873-1882, Corrected for additional returns up to December 22, 1884.

		1881.			1882.		The state of the s	1883.	am I	AVERAG	E FOR 10 1873-1882	
IR.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total,	Months.	Num- ber.	Per Cent of Total
ORDER.	Total	15,838	100.00	Total	16,708	100.00	Total	15,420	100,00	Total	13,421	100.00
1	Dec	1,711	10.80	Nov	1,826	10.93	Oct	1,689	10.29	Dec	1,423	10.60
2	Nov	1,687	10.64	Oct	1,789	10.71	Nov	1,633	9.94	Nov	1,411	10.51
3	Oct	1,681	10.61	Dec	1,741	10.42	Sept	1,503	9.15	Oct	1,406	10,48
4	Sept	1,422	8.99	Sept	1,473	8.82	Dec	1,476	8,99	Sept	1,201	8.95
5	July	1,289	8.14	July	1,355	8.11	April	1,410	8.59	July	1,096	8.17
6	Jan	1,196	7.55	April	1,339	8.01	Jan	1,337	8.14	Jan	1,060	7.90
7	May	1,195	7.55	Jan	1,253	7.50	July	1,304	7.94	April	1,033	7.70
8	Mar	1,178	7.44	May	1,240	7,42	May	1,284	7.82	Mar	1,006	7.50
9	April_	1,147	7.24	Mar	1,224	7.33	Mar	1,279	7.79	May	988	7.36
10	June	1,131	7.14	Aug	1,163	6.96	June	1,272	7.75	Feb	960	7.10
11	Feb	1,099	6.94	Feb	1,150	6.88	Aug	1,147	6.98	Aug	927	6.91
12	Aug	1,099	6.94	June	1,144	6.85	Feb	1,080	6.58	June	904	6.78
	Unk	3	.02	Unk	11	.06	Unk	6	.04	Unk	6	.04
	Ava	1,320	8.33	Ava	1,392	8.33	Ava	1,368	8.33	Av	1,118	8.33

a Includes those for unknown month.

The following table gives the number of marriages, by months, as returned from each county in the State during the year 1883.

TABLE 33.—Distinguishing by Counties and by Months, the Number of Marriages returned for the Year 1883.

STATE	Year,		-	-			Mon	THS, 1	883.					
COUNTIES.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Un
STATE	16,420	1,337	1,080	1,279	1,410	1,284	1,272	1,304	1,147	1,503	1,689	1,633	1,476	
Alcona	32	3	1	2	2		2	6		5	3	3	5	
Allegan	384	28	28	36	27	27	21	29	28	34	45	47	34	
Alpena	148	7	3	8	11	18	12	14	19	17	12	18	9	
Antrim	75	4	5	8	8	2	10	11	6	9	7	4	6	
Arenac	14						1	1	1	1	2	3	5	
Baraga	10				1	1	1	1	2	1	2	1		
Barry	207	17	12	33	16	9	15	15	13	15	17	19	26	
Bay	352	33	25	31	31	29	36	35	35	21	28	26	22	
Benzie	31	4		2	1	1	4	6	4	1	5	1	2	
Berrien	554	45	37	47	47	46	38	34	36	64	51	50	59	
Branch	292	36	23	20	21	14	19	21	14	29	29	35	31	
Calhoun	328	25	22	27	16	26	31	24	25	25	34	33	40	
Cass	203	4	6	14	21	11	12	13	14	25	30	25	28	200
Charlevolx	68	7	4	7	5	5	1	7	9	8	6	4	5	
Cheboygan	89	6	2	2	6	9	7	8	8	11	13	11	6	
Chippewa	37	2	2	5	4	2	6	2	2	5	3	.3	*****	
Clare	31		1		2	1	3	7	2	3	3	4	5	
Clinton	203	16.	13	19	21	16	13	15	15	14	24	18	19	
Crawford	20		1	2		3	3	1	1	5	1	3		
Delta	103	6	6	3	15	6	12	7	15	10	6	9	8	
Eaton	244	19	18	21	14	19	15	18	15	17	28	31	29	
Emmet	83	3	5	6	5	18	8	5	8	9	9	3	4	
Genesee	323	27	17	31	20	24	25	25	13	31	48	28	33	
Gladwin	4			1	2	1								
Gr. Traverse.	78	7	2	4	17	4	6	6	6	4	7	6	8	
Gratiot	208	26	14	11	18	17	15	24	8	20	14	18	23	
Hillsdale	377	29	37	33	21	19	26	23	23	35	54	43	34	
Houghton	221	19	11	16	19	18	16	21	21	28	23	18	16	
Huron	155	10	10	15	18	12	16	12	6	9	13	18	16	
Ingham	284	33	23	22	30	13	21	25	18	32	23	24	20	
Ionia	312	20	28	29	27	21	34	24	18	26	35	27	23	
Iosco	85	3	2	8	9	7	7	9	8	11	10	5	6	700
Imbella	126	8	8	10	9	17	7	8	6	15	14	8	16	
Jackson	456	40	28	43	35	36		21	30	42	46	49	100	

TABLE 33.—CONTINUED.—Marriages, by Counties, by Months.

COUNTIES.	Year,						Mon	rus, 18	83.					
COUNTING.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Un
Kalamazoo	288	31	34	24	24	27	15	23	21	18	30	22	19	
Kalkaska	21	1	2		2	2	8	3	1	2	3	2		
Kent	881	90	61	57	103	93	78	69	57	72	86	86	29	
Keweenaw	31	1	3	1	2	2	6	2	4	4	4	2		
Lake	33		4	.4	1	3	-4	1	2	3	4	4	3	
Lapeer	262	20	22	27	23	15	27	16	16	30	21	27	18	
Leelanaw	48	3	1	9	5	2	1	8	3	7	10	2	4	
Lenawee	475	40	34	41	34	44	33	24	28	* 41	50	60	46	
Livingston	156	12	10	12	16	15	9	14	8	10	12	21	17	
Mackinac	84	5	1	3	2	5	4	5	3	1	2	1	2	
Macomb	252	27	16	24	22	17	10	17	12	17	33	29	28	
Manistee	270	21	11	8	27	18	15	17	26	28	40	38	21	
Manitou	3					1		1			1			
Marquette	267	34	14	10	17	27	25	28	24	21	23	27	17	
Mason	144	7	12	7	11	15	10	21	11	7	15	13	15	
Mecosta	231	13	16	18	15	19	12	25	21	19	20	- 24	29	
Menominee	161	18	6	16	4	12	10	18	17	16	10	15	. 19	
Midland	88	5	5	12	4	6	5	9	9	6	5	9	13	
Missaukee	12		2	2		2		3		1	1	1		
Monroe	387	38	24	23	34	30	26	25	27	33	45	49	33	
Montealm	356	23	27	32	39	18	27	37	20	27	39	29	38	-
Montmorency.	1						*****						1	
Muskegon	387	25	22	29	38	21	34	42	35	34	35	37	35	
Newaygo	173	12	10	15	11	13	12	17	2	23	20	22	16	
Oakland	315	30	34	32	31	24	18	12	18	24	30	25	34	3
Oceana	129	5	9	5	9	12	16	- 10	7	9	15	15	17	
Ogemaw	21	2		5	4		1	2	2	1		2	2	b
Ontonagon	17						2		1	2	6	4	2	
Osceola	142	9	- 8	16	18	11	15	16	5	15	13	8	8	
Oscoda	13	1	1	1	1	1	1	1		1	2		. 3	
Otsego	23	3	1	2	3	1		2	3	3	3		2	
Ottawa	350	15	28	27	37	27	25	28	24	31	26	40	42	
Presque Isle	21	4	2	2	4		1	1	2	2	2		1	
Roscommon.	17	4	2				1	1	3	2		1	3	
Saginaw	629	42	35	37	60	68	64	65	49	51	67	55	36	
Sanilae	190	10	5	13	21	21	19	12	12	19	19	16	- 23	
Schoolcraft.	25	-				1	1	7	2	5	2	5	2	

TABLE 33.—CONTINUED.—Marriages by Counties, by	TABLE	33.—CONTINUED.	-Marriages	Ъu	Counties.	Ъv	Months.
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COUNTIES.	Year,		Монтив, 1883.											
	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Un
Shiawassee	223	21	20	20	13	12	19	15	13	16	30	21	23	
St. Clair	877	51	21	16	37	20	25	34	30	28	47	39	29	
St. Joseph	839	23	80	84	24	21	23	23	19	35	29	47	32	ļ
Tuscola	241	19	11	36	21	21	15	18	19	19	20	19	. 23	١
Van Buren	281	18	21	17	27	31	27	19	26	30	18	22	25	ļ
Washtenaw	333	80	19	89	34	32	21	11	21	31	39	29	27	
Wayne	1,561	138	101	99	132	120	141	109	103	171	160	161	124	ļ
Wexford	75		1		1	2	4	15	10	11	7	9	15	

### COLOR OF PERSONS MARRIED.

Table 34 shows the marriage-rate in 1883 to be greatest among the Whites, and least among the Indians. For a number of years the marriage-rate has been smaller among the Indians than among any other race included in the table, and by turning to the tables in births, it will be seen that the illegitimate birth-rate was greatest among the Indians. As these marriage-rates are computed from the population of Michigan in 1880 with the marriages in 1883, due allowance must be made for the increase in population.

Table 35 shows the number of marriages in each county in the State in 1883, and also the color of the persons married.

TABLE 34.—Exhibiting, by Color and by Sex, the Number of Marriages, and the Per Cent of Persons Married in 1883 to Population in 1880.

		Population,			Married, 83.	Per Cent of Persons Married	Number of Persons
COLOR,—1883.	SEX.	June 1, 1880, Represented by Marriages in 1883.	Number of Marriages, 1883.	Number.	Per Cent. of Total,	in 1883 to	who Married those of another Color.
ſ	Total	a 1,636,882	16,420	82,840	100.00	2.01	44
All Colors	Males	862,824	•••••	16,420	50.00	1.90	22
t	Females.	774,558	•••••	16,430	50.00	2.13	22
. (	Total	1,614,505	16,252	82,510	90.00	2.01	18
White	Males	850,765		16,252	98.98	1.91	6
ĺ	Females	763,740		16,258	90.01	2.13	19
į	Total		68	182	.40		6
Black	Males			68	.41		5
ł	Females.			64	.39		1
	Total		46	89	.27		9
Mulatto	Males			46	.28		6
l	Females.	•		43	.26		8
ſ	Total	7,249	41	83	.25		11
Indian	Males	3,696		41	.25	1.14	5
l	Females	3,553		42	.26	1.11	6
{	Total		13	26	.08	1.18	
One or Both Unknown	Males			13	.08		
	Females.			13	.08		
[	Total	15,100	114	221	.67	1.46	15
Black and Mulatto	Males	7,835		114	.69	1.46	11
l	Females	7,265		107	.65	1.84	4

<sup>.</sup> Includes 28 Asiatics.

TABLE 35.—Exhibiting for the State and Counties, the Number of Marriages returned for the Year 1883, and the Color of Persons Married in 1883, stated by Couples.

STATE									UPLES.
AND COUNTIES.	Marriages, 1883.	W	hite.	Black.	Mu- latto.	Indian,	Female Un- known, Male White.	Male Un- known, Female White.	Both Unk.
State	16,420	• 1	6,252	b 68	c 46	4 41	····		t
Alcona	82		32						
Allegan	384		382	1		1			
Alpena	148		148					•••••	
Antrim	75		75						 
Arenac	14		13			• 1			ļ
Baraga	10		10		ļ				ļ <u>.</u>
Barry	207		207		۱				
Bay	352		349	2	1				
Benzie	31		31						
Berrien	554		551	1		f 2			ļ
Branch	292		292						
Calhoun	328		325	2	1				<b> </b>
Cass	203		195	2	5				
Charlevoix	68		67			1			ļ <u>.</u>
Cheboygan	89	8	88			1			ļ <u>.</u>
Chippewa	37	h	34		1 1				
Clare	31		31						<b> </b> -
Clinton	203		203						ļ
Crawford	20		20						
Delta	103	j	103						<b> </b> -
Eaton	244		243	* 1					<b> </b>
Emmet	83	1	76	<b> </b>		7			<b> </b>
Genesee	323		317	2	3				ļ <u>.</u>
Gladwin	4	1	4						<b> </b>
Grand Traverse	78	l	79		<b></b>				<b> </b>
Gratiot	208	I	208		<b> </b>				
Hillsdale	377	1	376	1	l				l

Includes 6 couples, male White, female In-

a Includes o couples, male Black, female White; and 3 couples, male Black, female Mulatto.
c Includes 5 couples, male Mulatto, female White; and 1 couple, male Mulatto, female Black.
4 Includes 5 couples, male Indian, female White.

<sup>• 1</sup> couple, male Indian, female White.
f 1 couple, male Indian, female White.
g 1 couple, male White, female Indian.
h 1 couple, male White, female Indian.
l 1 couple, male Mulatto, female White.
l 1 couple, male Black, female Indian.
l 1 couple, male White, female Indian.

TABLE 35.—Continued.—Marriages in 1883, by Counties, by Color.

		COLOR	of Perso	NS MARI	1883	, STATE	BY COU	PLES.
COUNTIES.	Marriages, 1383.	White.	Black.	Mu- latto.	Indian.	Female Un- known, Male White.	Male Un- known, Female White.	Both Unk.
Roughton	221	221						
Huron	155	155			. <b>.</b>			
Ingham	284	281	3					
Ionia	312	312						
[08C0	85	84			1	<b></b>		
Isabella	126	117			9			
Jackson	456	449	.6	1	<b></b>			
Kalamazoo	288	283	3	2				<b></b>
Kalkaska	21	21						
Kent	881	877	4					
Keweenaw	31	31						
Lake	33	33		 				
Lapeer	262	262						
Leelanaw	48	47			1			
Lenawee	473	472	2	1				
Livingston	156	156		<b> </b>				
Mackinac	34	84			[ 	İ		
Macomb	252	251		1				
Manistee	270	270						
Manitou	3	3						
Marquette	267	267						
Mason	144	<b>a</b> 137	2	b 1	c 4			
Mecosta	231	227	3	1				
Menominee	161	157			1			
Midland	88	. 87	a 1	<b></b>				
Missaukee	12	12						<b> </b>
Monroe	387	385	2			<b></b>	l	<u>                                     </u>
Montcalm	356	356		! 		l		
Montmorency	1	1						 
Muskegon	387	387						
Newaygo	173	172			• 1			
Oakland	315	315						
Oceana	129	126			3			
Ogemaw	21	21			_	1		

<sup>1</sup> couple, male White, female Indian.
1 couple, male Mulatto, female Black.
2 couples, male Indian, female White.

<sup>d 1 couple, male Black, female Mulatto.
e 1 couple, male Indian, female White.</sup> 

TABLE 35.—CONTINUED.—Marriages in 1883, by Counties, by Color.

	1	COLOR	OF PERSO	MAK SEC	HED, 188	3, STATE	D BY CO	CPLES.
COUNTIES.	Marriages, 1883.	White.	Black.	Mu- latto.	Indian.	Female Un- known, Male White.	Male Un- known, Female White,	Both Unk.
Ontonagon	17	17	 	<b> </b>	·			
Osceola	142	143			! 			
Oscoda	13	13		<b> </b> -				
Ot <b>sego</b>	23	23			<b></b>			
Ottawa	350	<b>349</b>			] 1			<b> </b>
Presque Isle	21	21	i					
Roscommon	. 17	17	· 					
Saginaw	. 639	<b>62</b> 1	. 2	3	4			
Sanilac	. 190	189		1		·		
Schooleraft	. 25	24	! 		1	!		
Shiawaasee	. 223	223	·	, :		j		
St. Clair	. 377	377	· :	!	!			
St. Joseph	339	ಷಾ	1	. 1		!		
Tuscola	241	240		· > 1			ļ	
Van Buren	. ≘1	276	. 2	. 1	2			ļ
Washiena w	. 23	316	4 19	6	ļ	·	 	1
Wayne	1,561	1,535	15	• 15			, 	
Wexford	. ធ	क						

## NATIVITY OF PERSONS MARKIED.

In Table 36 may be seen the manner of union of persons married in Michigan, according to the nativity of the parties, for the year 1883. It is shown that 9,391 native-born bridegrooms married native-born brides, 1,421 married foreign-born brides, and 63 married brides of unknown nativity, making a total of 10,874 native-born bridegrooms. Of the native-born brides, 9,391 married native-born grooms, 2,015 married foreign-born grooms, and 25 married grooms of unknown nativity, making a total of 11,431 native-born brides. The number of foreign-born bridegrooms and brides may be obtained in a similar manner.

The table also shows the per cent of the bridegrooms and brides at each nativity. For example, 63.22 per cent of all the bridegrooms in 1883 were native-born, 33 per cent were foreign-born, and .78 per cent were of unknown nativity. The last line of the table shows that 69.62 per cent of all brides in 1883 were native-born, 29.33 per cent were foreign-born, and 1.05 per cent were of unknown nativity. As compared with the former years 1880, 1881. and 1882, the proportion of native-born bridegrooms and brides show

l couple, male White, female Indian.
 l couple, male Mulatte, female White.
 l couple, male Black, female Mulatto.

<sup>4</sup> l couple, male Black, female Mulatte, and 1 couple, male Black, female White.

4 2 couples, male Mulatto, female White.

decrease from year to year, while the proportion of foreign-born shows a corresponding increase. The per cent of native-born grooms in 1880 was 70.38; in 1881, 68.12; in 1882, 67.23; and in 1883, 66.22. Of the foreign-born grooms, the per cent in 1880 was 28.44; in 1881, 30.96; in 1882, 32.22; and in 1883, 33. The per cent of native-born brides in 1880 was 75.43; in 1881, 72.30; in 1882, 70.38; and in 1883, 69.62. Of the foreign-born brides, the per cent in 1880 was 22.75; in 1881, 26.20; in 1882, 28.37; and in 1883, 29.33.

TABLE 36.—By Nativity, the Number and Per Cent of Brides and of Bridegrooms returned as having been Married during the year 1883.

	Bı	nides, 18	83.	BRIDEGRO	омя, 1883
BRIDEGROOMS AND BRIDES, NATIVITY SPECIFIED.	Native- born.	For- eign- born.	Un- known.	Total of each Na- tivity, and of all Na- tivities.	Per Cent of each Nativity
(Native-born	9,391	1,421	62	10,874	66.22
Bridegrooms . { Foreign-born	2,015	3,382	21	5,418	33.00
Unknown	25	13	90	128	.78
Whole No. of each nativity and total	11,431	4,816	173	16,420	
Brides Per cent of each nativity, and total	69.62	29.33	1.05		100.00

Table 37 contains data concerning the marriage-rate among the native and foreign-born inhabitants for the year 1883, and shows that the rate among the foreign-born was greater than among the native-born. The marriage-rate for the total of all nativities was 1.73 in 1880; 1.81 in 1881; 1.98 in 1882; and 2.01 in 1883, for each 100 inhabitants; thus showing an increase each year. The native marriage-rates for these years were, in 1880, 1.65; in 1881, 1.67; in 1882, 1.79; and 1883, 1.79. The foreign marriage-rates for the same years were, in 1880, 1.86; in 1881, 2.18; in 1882, 2.52; and in 1883, 2.63. These computations are all made upon the basis of the population of 1880. It is well to bear in mind the fact that the native-born inhabitants include the children and youth, persons not of marriageable ages; while the foreign-born persons are principally of older ages.

Table 38 shows the relative proportions of the nativity of persons married for a period of fourteen years, and also the average for these years. It may be noticed that the percentages do not vary much from year to year. It is gratifying to note, however, the decrease in the percentage from unknown nativity.

TABLE 37.—Exhibiting, by Sex, the Nativity of Persons Married in Michigan in 1883, and the Population in 1880.

	Marr 18	1A <b>GES,</b> 33.	POPULATIO REPRESE BIAG		MAR-		Pra	ам вко	BRIED,	1883.	
NATIVITY OF PERSONS MARRIED, 1883.	Num-	Per Cent	Total.	Males.	Fe-		Numbe	r.	Marri Popul	nt of P ed in it stion of ty, June	HHS to
	ber.	of Total.			maics.	Total.	Males.	Fe- males.	Total.	Males.	Fo- males
Total	16,420	100.00	1,636,882	862,324	774,558	32,840	18,420	16,420	2.01	1.90	2.1
Native-born	9,391	57.19	1,248,395	642,913	605,482	22,306	10,874	11,431	1.79	1,70	1.6%
Foreign-born	3,382	20.60	388,487	219,411	189,076	10,234	5,418	4,816	2.63	2.47	2.8
Foreign Male and Na- tive Female	2,015	12.27									
Foreign Female and Native Male	1,421	8.63							<b> </b>		
Kativity Unknown	• 211	1.29				201	126	173	<b></b>		
	ļ			l	!	ļ	!	ļ	<b> </b> —		l—
One or Both Native.	12,827	78.19		<b> </b>					<b> </b>	ļ	
One or Both Foreign	6,818	41.52	! <sup>!</sup>								

<sup>.</sup> Includes cases where one or both are unknown.

TABLE 38 .- Marriages according to Nativity-Percentages for 14 Years.

YEARS.	Both Na- tive-born.	Both For- eign-born.	Yative-born Grown and Yorkign- born Bride,	Foreign- born Groom and Sativa-torn Bride.	Fix Stated.
1579	91.63	17.40	138	11.32	2.40
1871	St. 34	19.13	6.32	12.11	2.54
1672	91.00	12.46	425	11.70	2,46
¥53	57.54	20.72	4.40	12.45	2.30
1574	20.40	21.25	7.20	n.r.	2.56
1853	41.25	KAR.	7.25	12.00	2.34
¥3	<b>17.44</b>	Lac	7.41	22.96	2.27
<b>B.</b>	G.B	14.21	7.M	23.46	2.13
253	, QA	12.09	7.72	11.41	2.30
159	41.35	22.74	7.44	12.54	211
1859	42.3	<b></b>	: 7.8t	22.40	2.13
B:	***	22.16	£.38	11.2%	1.77
<b>362</b>	%	1 35.XI	ŁÆ	. nc	1.65
>======================================	E.D	35.46	1.66	nr	1.50
Average	4.0	ZAE		22.42	2.86

## AGES OF PERSONS MARRIED.

In Table 39 may be studied by nativity the average age at marriage of the bridegrooms and brides in Michigan for the years 1880-1883, and the average for ten years 1874-1883. The average age for the foreign-born is seen to be older than for the native, not only for each year in the table, but also for the average. Twenty-eight years for the males, and 23 years for the females seems to be about the average ages for marriage in this State.

TABLE 39.—By Nativity, the Average Age of Persons Married in Michigan in 1880-1883, and the Average for Ten Years 1874-1883.

NATIVITY OF PERSONS	18	80.	188	81.	18	82.	181	83.	Av. FOR 1874-	10 YB5. -1883.
MARRIED.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.
All Nativities	28.08	23.20	28.09	23.20	28.17	23.39	28,25	23.36	28.10	22.93
Native	27.59	22.82	27.49	22.83	27.69	23.01	27.82	22.90	27.62	22.71
Foreign	29.29	24.42	29.33	24.20	29.17	24.32	29.09	24.40	29.26	24.40
Unknown	28.31	23.37	31.43	23.83	28.70	23.85	29.21	24.52	28.60	23.57

Table 40 shows the number and proportion of males and females married at each period of age in Michigan in 1883. The proportion of males married under 20 years of age does not vary much from year to year, being 2.86 per cent in 1878 and 2.10 per cent in 1883, but the proportion of females married under 20 has gradually lessened without an interruption, from 38.89 per cent in 1876 to 32.90 per cent in 1882. In 1883, however, the percentage increased again to 33.72.

The proportion of males between twenty and twenty-five does not change much, remaining at about 40 per cent of the whole number of males married. For the year 1883, as may be seen, it was 39.84 per cent, and for the year 1876 it was 40.61. In the class of females married at this period of age there has been a gradual increase from 35.68 per cent in 1876, to 39.08 in 1883.

Over 70 per cent of all the males married in Michigan in 1883 were between the ages of 20 and 30 years, and over 52 per cent of all the females were married between the same ages. Between the ages of 21 and 25 years the proportion of the sexes was more nearly equal than at any other period.

TABLE 40.—Exhibiting, by Sex and by Periods of Age, the Number and Per Cent of Persons Married during the Year 1883.

		•	MA	REIAGES,	1883.		
ages in Years	Total		Males.			FRMALES	
AND PERIODS.	Number of Persons Married, 1883.	Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Correspond- ing Ages.	Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Correspond- ing Ages.
All Ages	<b>3</b> 2,840	16,420	100.00	50.00	16,420	100,00	50.00
13	5				5	.03	100.00
14	28				28	.17	100.00
15	102				102	.62	100.00
16	916	1	.01	.11	915	5.57	99.89
17	1,225	6	.04	.49	1,219	7.42	99.51
18	1,753	75	.46	4.28	1,678	10.22	95.72
19	1,862	262	1.60	14.07	1,600	9.75	85.93
50	2,200	629	3.83	28.50	1,571	9.57	71.41
21 to 25	10,758	5,912	30.00	54.95	4,846	29.51	45.05
25 to 80	7,294	5,099	31.05	69.91	2,195	13.37	80.09
30 to 35	2,632	1,831	11. <b>İ</b> 5	69.57	801	4.88	30.43
25 to 40	1,459	944	5.75	64.70	515	3.14	35.30
40 to 45	807	503	3.06	62.33	304	1.85	87.67
45 to 50	577	344	2.09	59.62	233	1.42	40.38
50 to 55	390	258	1.57	66.15	132	.80	83.85
55 to 60	280	178	1.08	63.57	102	.62	36.43
60 to 65	203	154	.94	74.04	54	.33	25.96
65 to 70	121	93	.57	76.86	28	.17	23.14
70 to 75	58	50	.30	86.21	8	.05	13.79
75 to 80	19	19	.12	100.00			
80 and over	8	3	.02	100.00			
Unknown ages	143	59	.36	41,26	84	.51	58.74
Under 15	33				33	.20	100.00
15 to 20	5,858	344	2.10	5.87	5,514	33.52	94.13
20 to 25	12,958	6,541	39.84	50.48	6,417	39.08	49.53

TABLE 41.—Exhibiting, for the State and Counties, by Sex, the Nativity and Age in Periods of Fears, of Persons-Married in Michigan during the Fear 1883.

1		·umo	плип	888	11	11				11	11	11	11	11	-7
1883.	-1		опв 08	00.00		11	11	11	11	11	::	11	11	11	-
18, 18	12	5	80	69		11	11	-11	11	11	11	-!	11	- !	11
YEARS,	2	2	75.	85 58 80 88	11		11	11	11	11	11	11	11	- !	-
	13	to	70.	121 93 28	11	00	1	11	11	11	71	11	11	01	0
RIODI	9	to	65,	208		405	11	11	11	11	16	T	1	00 !	017
S PE	100	to	60,	280 178 102	-!	0101	7	-	11	11	411	911	11	1000	101
0.0	20	2	20.	390 358 138		86	- !	11	11	11	0101	411	0101	04	-100
STAT	45	to	20.	517 344 233	- 1	00 64	-	0101	11	11	00 00	20.03	010	700	400
Es,	40	to	45.	807 503 304	Ci	000	401	63	11	-1	00 01	510	00 11	119	1-10
ENT AG	128	to	40.	1,459 944 515	-01	92 8	94	91	-	-	00 00	80	60 G4	88	810
Marniages at Different Ages, Stated in Periods of	80	to	82.	2,632 1,831 801		12	19	0.00	91	11	18	93	984	31	181
EB AT I	- 23	op op	30.	7,294 5,090 2,195	± 8	115	223	93 xx	00 H	9	883	115	40.00	160	88
RELAGI	20	to	55.	12,958 6,541 6,417	122	172	55	27	800	8100	91	146	10	236	114
M	Un-	der	20.	5,891	13	142	514	183	10	1	80 80	131	12	191	103
	Sux	STATED.		Total Malcs Females.	Males	Males	Males	Males.	Males	Males	Males	Males	Males	Males	Males.
rgs.	*UAO	пупД	Both	96	1	1	1	-	-	1			-	1	1
TY OF PERSONS MARRIED, 1883, STATED BY COUPLES.	DWN.	les.	For- elgn.	13		1	-	-			-			-	1
ATED B	MALES UNENOWN.	Females.	Na- tive.	83		-		1		-	-			-	1
883, ST.	FEMALES UNENOWN.	les.	For- efgn.	19		-	-		-		-		-		1
RIED, 1	FEM.	Males.	Na. tive.	63							1			63	01
NS MAI	For-	males,	tive Males.	1,421	10	21	88	10	20	1	00	49	CI	61	90
PERSO	For-	Males, Na-	Fe- males.	2,015	1	55	98	11	C1	C4	14	09	00	20	13
TY OF	Both	For-	born.	8,383	11	40	81	14	60	9	4	140	60	4	-
NATIVI	Both	Na.	born.	.9,391	6	287	18	33	co	-	178	103	18	495	2963
	1888,	ted,	Namb	16,420	35	384	148	75	14	10	207	352	31	921	202
	STATE	COUNTIES.		STATE	Alcona	Allegan	Alpena	Antrim	Arenac	Baraga	Barry	Bay	Benzie	Berrien	Branch

	25.55	11	11				11	0101	11	11		00.00	04.03	11	11	11	11
01 4	11	11	11	11	11	11	11	11	11	- :	11	11	11	: 1	11	11	11
1		11	11	11	11	11	11	11	11	11	11	11	11		11	11	
-1	-	11	11	11	11	01	11	11	-1	- 1	11	11	11	-	-	11	II
10-	7:	11	11	11	11	9	11	11	4 !		G	11	11	7:	00	11	11
10.00	- 1	7	-	11	ii		11	11	41	11	409	11	11		40	11	TT
501	01-	c) m	11	H:	H !	100	11	+3	0101		00 H	11	+ 1	63	10		-:
80 D4	60 :	1.1	01 1	1 50	11	60.4	11	11	10 C1	00 ;	00.00	11		44	22 H	0100	1011
000	110	11		-	11	201	11	11	99	1	(+Q1	11	00 H	60	100	44	41-
78	1000	00 DX			11	(~10	11	eo ==	118	401	400	11	0101	00.03	120	00 ==	00.01
-		-	1	-	11		11		1000			11					
98	010	60.00	112	64 00	HS	2		00-44	0.0	04.00	20		9	60.00	19	16	14
22	8100	20-4	5-13	04:00	0111	27	00	S 04	22	00 00	1588	11	<b>⇒01</b>	St.o.	32	7	80
0.00	60	121	120	51.4	11.4	22	201	101	3000	St o	101	-	100	201	40	888	200
超	103	87	2004	25	100	884	10	884	300	88	133	ii	283	95	167	100	55.55
100	99	102	04 00	121	:23	10 10	121	1 65 H	10	300	10.03	17	98	113	110	200	E30 11
		1			-		!				-	1		-			-
180	00	6.9	. 8	68	100	68	68	00	100	68	CS.	80	1 00	10	68	60	08
00	00 2	107	87	87	88	88	80 cd	200	III. est	80 65	10 0	8.8	100	8.2	88	88	20.00
Femal	Males	Males. Femal	Males	Males. Femal	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males. Femal	Males	Males
d Females.	Femalca.	Females.	Males	Males	Females.	3 Females.	Males1 Females.	Females.	Females.	Males.	Females.	Fomales	Females.	Males	Males	Males Females	1 Females.
4 Femal	Males Femal	Males.		1 Kemal	Femal		Males Femal	Males Femal	Males Femal		Males Femal	Fomal	Males Femal	1 Femal	1 Kemal	Males Femal	1 Males
4 Males	Males Femal	Males. Femal	61	Males.	Males Femal	60	Males 1 Femal	Males Femal	-	1	Males Femal	Males Fomal		1 Femal	1	-	1 1 Kemal
I 4 Femal	Males Femal	Males. Femal		Males.	Males Femal	60	Males Femal	Males Femal	1 Fema	1	Males Femal	Males Femal	Males Femal	Males Femal	I I Femal	1	1 Mates
1 4 Males	Males Femal	Males. Femal	61	Males Pemal	Males Femal	60	1 Males	Males Femal	-	1	Males Femal	Males Femal		Males 1 Femal	1	-	1 Males
1 1 4 Males	Males Femal	Males. Femal	1 2	Males Femal	Males Femal	60	1	Males Femal	-	1	4 Femal	Males Femal		Males Femal	1	1	1 Males
22 1 1 4 Males	7 Femal	12 Males	1 1 2	6 1 Males	8 Femal	1 3	1	11 Femal	-	1 1	29 4 Femal	Males Femal	1	16 1 Males	1 1	1	22 1 1 Maies
1			1 1 1 2	1		1 3	1		1			Males Femal	1		1 1		
1 1 1		21	24 11 1 1 1 2	9 9	80	7		п п	1	8 11 8 1 1	38 39 4 ····	Mates Femal	п п п	16 1	10 1 1 1 1	15 1	26 29 1 1
8 28 28 1	2 11 2	9 14 12	32 24 11 1 1 1 2	19 6	80	7 2 3	1	58 17 11	7 7 15 1	12 8 11 3 1 1	21 36 29 4		10 11 11 11 11 11 11 11 11 11 11 11 11 1	3 36 36 1	3 15 10 1 1	146 26 15 2 1	69 26 29
28 22 1		33 9 14 12	24 11 11 11 12 28 71	9 9	80	172 5 13 7 2 1 3	1 12 4 1	п п	214 7 7 15 1	8 11 8 1 1	233 21 38 29 4	4 Maies	38 16 11 11 11 11 1	172 3 16 16 1	15 10 1 1 1 1	15 1	36 69 26 22
8 28 28 1	2 11 2	9 14 12	32 24 11 1 1 1 2	19 6	80	7 2 3	1	58 17 11	7 7 15 1	12 8 11 3 1 1	21 36 29 4		10 11 11 11 11 11 11 11 11 11 11 11 11 1	3 36 36 1	3 15 10 1 1	146 26 15 2 1	69 26 22 1 1
228 904 8 28 29 1 4	203 180 5 11 7	98 33 9 14 12	80 17 82 24 11 1 1 1 1 2	37 6 19 6 6	81 13 8 5	908 172 5 13 7 9 1 3	20, 12 4 2	108 17 58 17	244 214 7 7 15 1	12 8 11 3 1 1	323 238 21 38 29 4	4	78 38 16 11 11 11 11 1	172 3 36 16	. 377 346 3 15 10 1 1	221 31 146 26 15 2 1	155 36 69 26 22 1 1
228 904 8 28 29 1 4	203 180 5 11 7	98 33 9 14 12	80 17 82 24 11 1 1 1 1 2	37 6 19 6 6	81 13 8 5	908 172 5 13 7 9 1 3	20, 12 4 2	108 17 58 17	244 214 7 7 15 1	83 47 12 8 11 3 11 1	323 238 21 38 29 4	4	78 38 16 11 11 11 11 1	172 3 36 16	. 377 346 3 15 10 1 1	221 31 146 26 15 2 1	155 36 69 26 22 1 1
904 8 28 22 1 4	180 5 11 7	33 9 14 12	24 11 11 11 12 28 71	6 19 6	80 80	172 5 13 7 2 1 3	1 12 4 1	11 11 11	214 7 7 15 1	12 8 11 3 1 1	233 21 38 29 4		38 16 11 11 11 11 1	172 3 16 16 1	346 3 15 10 1 1	31 146 26 15 2 1	36 69 26 22

TABLE 41.—CONTINUED.—Marriages by Counties, Nativily, and Periods of Age.

.1		"UMO	прки	10	103	11	11	11	11	11	11	11	11	11	11	I
1883			one 08	11	11	11	11	11	11	1:	-:	11		11	11	1 1
Alls,	- 15	to	80.		11	11	11	11	1	11	1	11	11	11	11	00
YE	20	to	75.	80	11	11	11		G1 :	11	01 H	11	11	11	11	
8 02	53	to	70.	-	00 !	11		1	63	11	-	11	11	- 1	11	4.00
RIOD	99	to	65.	10	7	-1	03 —	-	1-11	-	10	11	-!	7	11	44
N PE	32	to	60,	401	-00	11	01 :	64	1	- :	118	11	11	101	11	2
ED I	28	to	22.	-	60.00	77	64	11 0	00.00	7	900	11	1	01 00	71	200
STAT	45	to	20.	r-00	51 <del>4</del>	7 ;	4.00	77	1-4	7	122	01-	71	401		28
,83,	- 0	to	42.	125	000	40.00	60 4a	25	1-10		122	11		401		16
BNT AC	133	to	40.	17	112	200	1-00	19	22	нн	25.23	00 m	4-	814	10	2123
IFFER)	30	10	53.	14.03	200	128	17	55.52	82	H00	107	01	0101	81	401	47
Marriages at Dipperent Ages, Stated in Periods of Years, 1883.	- 23	to	30,	382	888	81	13	123	91	5.0	263	12	13	31	200	146
RRIAGI	30	07	33.	104	145	82	88	178 171	104	t= 01	354	212	116	118	15	191
MA	Un-	der	20.	76	132	153	57.00	140	92	10	16	15	13	107	161	158
	Skx	STATED.		MalesFemales_	Males	Males	Males Females.	Males	Males	Males	Males	Males.	Males.	Males	Males Females.	Males
E S	"UMO	Cnkr	Both 7	00		1	-	1	-	1	-	1	-	-	1	C)
Cour	WW.	68.	For-		1	1	-			1			1	1	1	-
TED BY	MALES UNEKOWS.	Femules.	Na- I		1	i	1	-	T	1	H	1	İ	-	1	
83,STA	LES WN.	36.	For-	01	i	T	İ	-	İ	1	1	-	i	1	-	-
RED, 18	FEMALES	Males.	Na- tive.	01	-	1	İ	GH.	4	1	4			-	-	-
S MART	For-	males,		16	13	00	H	40	6	03	69	01	10	40	4	=
BRSON	For-	_	Fe- males.	183	32	13	11	38	24	NO.	120	6	01	20	1	200
TY OF 1		For-		22	12	51	18	250	100	1	212	10	01	40	11	53
NATIVITY OF PERSONS MARRIED, 1883, STATED BY COUFLES	-	Na-		600	253	-	80	337	217	14	474	10	61	129	98	403
	1888.			188	315	58	126	456	888	68	881	55	33	262	-88	476
	COUNTIES.			Ingham	Ionia	Iosco	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Kewcenaw.	Lake	Lapeer	Leelanaw	Lenawee

									-				-				
	11	11	11	11	11	01.00	11	11	11	F	6101	11	11	11	11	13	111
11	11	11	11	11	11	44	1:	1.1	11	11	11	::	11	11	11	1:	11
71	11	11	11	11		11	11	11	11	11	11		11		11	61	
11	11	11	11	11	11	11	11	11		11	60 !	1	11	63 !	11	44	
II	11	10 00	-:	11	TI	G1 :	61	11	11	11	611	401	11	1100	11	0101	0111
-	11	-:	91 :	11	11	011	71	1	01-1	11	OI H	64	11	00.04	10.01	400	₩ 04
00 1	11	(D (S)	103	11	Ť	1,01	∞ H	- 1	po ;	11	10 01	60	11	01 1	100 m	017	-:
04 04		01 1	mot.	11	11	0) :	401		00 ;	H ;	104	104	11	00 TH	7:	91	0101
	04 :	104	0101	11	60 1	4 :	65.44	10.01	51-41	11	9	10 00	11	91	44	400	0100
00.00	101	104	200	11	: :	1-9	1-1-	10.01	401	H .	100	10	11	t-t-	₩ 00	119	- C01
000	1011	110	-	11		121	10	9	 @ 91	01 1			11	ma	00.10	-	0.0
			조의		100						12	유의		Sta		잃의	
200	99	19	132	-	34	18	22	16	00	0101	58.03	16		881	80	100	S 20
45	000	168	300	1	107	17	30	10 00	18	8 H	108	36	-	144	48	101	800
88	10	104	105	mot	101	49	94	88	198	65 44	171	##	II	135	61	128	12.5
0.10	13	76.3	1 30	1	95.8	47.00	101	0103	96	*	120	156	1	128	88-7	61.53	60 50
14	i ni	1 11	1 00	100	ini	ion	i uj	; 10	i eci	; 01	1 10	; 10	; 00	; 0)	10	: 10	1 10
Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males.	Males	Males Females.
1	-	-	-	-	-	- H	- I	1 1	-	1	4	01	-	1 11	H	03	-
+	-	+	1	1	1	1	-	-	-	-	н	-	1			-	-
1	1		1	-	1	1		- 1	1	-		1	1	1			
1	-	-	-	-	-		-		-		-		1	01		-	
T	1	-	1	-	1	1	Ħ	1	-	1	-	-	-		1	01	
T	1	1	-	1		1	-	1	-	-	00	63	1	-	1	1	T
-00	63	23	75	1	10	10	200	6	19	İ	13	550	i	41	11	23	18
13	1-	39	30	-	22	15	25	65	10	4	30	40	-	20	14	25	-
24	13	8	155	-	176	53	62	88	6	9	30	20	1	159	83	13	10
700	C <sup>2</sup>	90	1-	- 00	39	89	63	30	48	01	0	0	- 1	72	75	52	51
128		118	57				103				283	530	-	134	121	238	
130	25	252	270	00	267	111	231	161	88	13	387	326	1	387	173	315	129
on.		1	1	1		1	1	-00	-	00	1	n	£,0,2	D		1	
Livingston.	Mackinao	Macomb	Manistee	Manitou	Marquette	Mason	Mecosta	Menominee.	Midland	Missaukco	Monroe	Montcalm	Montmore'y	Muskegon	Newaygo	Oakland	Oceana

TABLE 41.—Continued.—Marriages by Counties, Nativily, and Periods of Age.

1 8	1	*UMO!	Unkn		11	11	11	11	99	11	11	0101	11	11	-:	
33	-	-	na 08		11	11	11	11	11	11	11	11	11	11	11	-
18, 18	12		80.	111	11	11	11	11	7 :	11	11	- 1	11	11	"	
YEAT	22	to	75.	111	11	71	11	11	11	11	11	11	11	11	-1	247
TO S	8	to	70.		11	I	11	11	411	11	II	10	11	11	-1	F
STODS	- 09	_	65.	111	11	-1	11	11	901	71	11	Q1 :	· :	11	7	401
PRI	13	to	.00		ii	-	11	ii	100		ii	91	==	11	-01	1001
ED IN	20	to	55.	7	нн	Ti	71	11	00 rd	0101	11	60.00	411	11	00	04
TAT	- 23		20.	iii	11	91	17	11	120	11	-	22	403	11	10.00	0010
188 B	40	to	45.		11	10 01	- 1	-:	200	- 1	11	15	+01	-:	t-10	11
r Ag				171	11	94	11	Tİ	16	101	71	56	401	-	77	13
HEN	- 55	to	40.		11		11	11			1	-		1	m.m	-
Direx	30	50	33.	7	00	14	60	4	31	61	00	72	14	C1	888	1133
ES AT	13	to	30.	01 ना	0101	212	*	10	107	10	601	911	88	51-4	302	135
MARRIAGES AT DIFFERENT AGES, STATED IN PERIODS OF YEARS, 1883.	8	2	35.	120	11	48	-100	ळध	132	400	1010	232	88	00 00	93	152
MA	Uni	der	50.	П	1	413	-10	0	114	7	010	8 201	988	157	818	133
1				es.	ies.	es.	es.	es.		es.	es.	es.	68	es.	es.	68
	SEX	STATED.		Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males.
LES.	10MB	Unkr	Вогр		1	03	1	1	60	+	1	00	-	1	-	1
Cour	ES WK.	les.	For-			-										-
TRD B3	MALES UNKNOWK	Females,	Na. I		1	1	-	-	-	1	1	1	Ī	1	-	-
3, STA	ES W.		For-	İ	i	İ	1	1	1	T	1	İ	i	i	T	-
ED, 188	FEMALES UNKNOWN.	Males.	Na. 1		Ť	- 1	Ť	-	Ť	1	1	i	1	Ť	00	F
ARRE	-	, ac .		1 03	1	17	1 01	+	98	90	50	75	88	01	16	49
N8 M		males,	-2							0						-
PERSO	For-	Na-Na-	Fe- males,	6	4	18	61	4	48	00	01	114	53	60	88	- 67
TY OF	Both	_		60	9	65	-	-	127	14	01	192	67	10	14	123
NATIVITY OF PERSONS MARRIED, 1883, STATED BY COUPLES.	Both	Na-		10	1	62	1	13	135	-	10	240	40	10	160	134
	1888.	_		12	11	142	13	83	320	21	17	620	190	83	555	37
-		_		1		1	1	1	1	sle	on.	1	:	i.	6	1
	COUNTIES			Ogemaw	Ontonagon	Osceola	Oscoda	Otsego	Ottawa	Presque Isle	Ковсоттоп	Saginaw	Sanilac	Schoolcraft	Shiawassee.	St. Olair

Tuscola	241	119	\$	<b>\$</b>	8					Males	116	<u>ar</u>	98	20	-10	104	**	401	201	60.04	-	C4 :	11	1.1	91.53
Van Buren	8	243	7	17	11	1			-	Males Females	122.6	132	28	82	16	24	104	64 00	1-01	44	Ol H	-11	7	11	11
Washtenaw. 333	88	727	23	7	72	10	1		- 1	Males Females.	67	159	118	37	122	14	000	91	P-4	4!	F i	71	11	11	17
Wayne 1,561	1,561	262	95	242	203	7	4	10	88	Males	326	135	272	191	83	88	1881	65.0	200	114	60	64	03	11	w
Wexford	25	8	81	=	S.					Malos Females.	30	88	97	E es	41	01.01	Τ̈́	ii	ii	17	Tİ	Q1 :	11	11	

#### PERSONS MARRIED UNDER TWENTY-ONE YEARS OF AGE.

In 1883 there were 8,091 persons married under 21 years of age in Michigan, of whom 973 were males and 7,118 were females. This is a larger number than appears for any preceding year, and is more by 179 than was returned for 1882. The average annual number for the ten years 1873-1882 was 6,649 for the total; 838 for the males, and 5,811 for the females. There has been, with a few exceptions, a gradual increase each year in the number of persons married under twenty-one years of age.

The following tabular exhibit shows, for the years 1876–1883, the percentage of all married under twenty-one to the whole number married, the percentage of males married under twenty-one to the whole number of males married at all ages, and the percentage of females married under twenty-one to the whole number of females married at all ages.

YEARS.	Total.	Males.	Fem	ales.
1876	28.19	7.49		48.89
1877	27.70	6.80		48,60
1878	28.21	7.40		49.01
1879	26.88	6.74		47.01
1880	26.10	6,40		45.80
1881	25.14	6.30		43.98
1882	24.45	6.23		42.68
1883	24.64	5.93		43.35
Average	26.41	6,68		46.17

Seven males and 135 females were returned in 1883 as having been married under the legal age. Only males who have attained the full age of 18 years, and females the full age of 16 years, are capable in law of contracting marriage; but in 1883 six males were married at the age of 17, and one at the age of 16; 102 females were married at the age of 15, 28 at the age of 14, and 5 at the age of 13. These marriages of females at the age of 13 were returned from the counties of Hillsdale, Kent, Mason, Newaygo, and Washtenaw. The penalty for solemnizing such marriages is a fine of five hundred dollars, and of spending a year in the county jail.

## MANNER OF UNION BY AGES.

The last column and the bottom line of Table 42 show the proportion of grooms and brides married at each period of age during the year 1883. To those not familiar with the plan of the table it may be explained, as follows: The 344 males who were married under twenty years of age, as shown in the column next to the last, married 263 females aged under 20 years, 73 aged 20 to 25 years, 4 aged 25 to 30 years, 3 aged 30 to 35 years, and one whose age was not returned, and so for each number in the column headed "Total Males."

The 5,547 females who were married under 20 years of age, as shown in the second line from the bottom, married 263 males under 20 years of age, 3,278 aged 20 to 25 years, 1,529 aged 25 to 30 years, 334 aged 30 to 35 years, 92 aged 35 to 40 years, etc. Thus for each number on the line of "Total Females."

The period in which the greatest number of marriages of males occurred was that of 20 to 25, the number of marriages being 6,541, or 39.83 per cent of the total number at all ages. The greatest number of marriages of females was in the same period, the number being 6,417, or 39.08 per cent. In the average for ten years 1873–1882, the proportion of males married at 20 to 25 was 40.80 per cent, and for females 37.47 per cent for those aged 20 to 25, and 36.47 per cent for those aged under 20 years.

TABLE 42.—Exhibiting the Number of Each Sex at each Period of Age Married in Michigan during the Year 1883; and the Per Cent of Brides and of Bridegrooms at each Period of Age to Total at all Ages.

AGES OF					Agr	e or	FEE	ALM	, 188	3.						8.	of at
MALES, 1883.	Un- der 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45,	45 to 50.	50 to 55.	55 to 60,	60 to 65.	65 to 70.	70 to 75.	75 to 80.	S0 and over.	Unk	Total Males,	Grooms at cach Age.
Under 20	263	73	4	3											1	844	2.10
20 to 25	3,278	2,825	377	37	14	1	2								7	6,541	39.83
25 to 30	1,529	2,404	953	146	39	13	2	2	1						10	5,099	31.05
30 to 35	334	720	446	227	67	28	4		1						4	1,831	11.15
35 to 40	92	240	240	169	140	43	15	2						****	3	944	5.75
40 to 45	26	100	90	105	91	58	19	11	1	1					1	503	3.06
45 to 50	11	33	50	56	78	49	48	13	6							344	2.10
50 to 55	6	11	20	28	44	46	43	37	12	7					4	258	1.57
55 to 60	2	6	7	12	25	27	46	20	21	9	1	1			1	178	1.03
60 to 65	1	3	6	13	10	, 28	29	24	23	11	6					154	.94
65 to 70			2	4	6	5	14	14	23	14	9	2				93	.57
70 to 75			*****		1	5	9	8	9	8	7	3				50	.30
75 to 80	1			1		1	1	1	5	4	4	1				19	.12
80 and over						****	1				1	1				3	.02
Unknown	4	2													53	59	.36
Total Fe-   males.	5,547	6,417	2,195	801	515	304	233	132	102	54	28	8			84	16,420	
Per Ct, of   Brides at   each age.	33.78	39.08	13.37	4.88	3.14	1.85	1.42	.80	.62	.33	.17	.05			.51		100.00

## DISPARITY OF AGE.

Some curious and remarkable marriages in regard to the age of the parties, were returned for the year 1883. Among such marriages may be mentioned a groom of 63 to a bride of 21, which occurred in Calhoun county. In Lenawee county there was a marriage of a groom of 68 to a bride of 27, and in Van Buren county a groom of 56 took a bride of 18. The other extreme, where the groom takes a bride many years older than himself, was also well represented. The greatest disparity of these cases appears for Monroe county, the groom being only 26 years of age, whereas the bride was 55 years of age,—the bride being 29 years of age when her husband was born. It is often quite

interesting to note the disparity of ages between parties uniting in marriage. Of course we can only mention a few cases here, but those who have the curiosity to examine into such matters will be amply repaid by reference to Table 42.

## COUNTY MARRIAGE-RATES.

The marriage-rates, according to population, for each county in the State, may be seen in Table 43.

TABLE 43.—Exhibiting, by Counties, the Number of Marriages in Michigan for the Years 1881, 1882, and 1883; the Number as first returned, and the Number returned since Compilation, for the Years 1881 and 1882; the Number of Inhabitants in 1880; and the Per Cent of Marriages in 1883 to Inhabitants in 1880.

			MA	RRIAG	ES.			in in	111	2.5	
STATE		1881.			1882.		1883.	1880, Repre- Marriages in	Marriage	rringe	
COUNTIES.	Number as first Re- turned and Com- piled.	Number Re- turned since first Compi- lation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number as first Re- turned and Com- piled,	Number Re- turned since first Compi- lation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number Re- turned.	Population, 1880 rented by Mar 1883,	Number of Inhabitants 1880 to one Marriage 1883.	Per Cent of Marriages 1883 to Population 1880.	
STATE	14,847	991	15,838	16,178	530	16,708	16,420	1,636,882	100	1.00	
Alcona	14	3	17	22		22	32	3,107	97	1.05	
Allegan	372	18	390	397		397	384	37,815	98	1.03	
Alpena	100	2	102	113	. 2	115	148	8,789	59	1.68	
Antrim	36		36	62	*******	62	75	5,237	70	1.43	
Arenac							14				
Baraga	16		16	12	5	17	10	1,804	180	.50	
Barry	199	1	200	199	1	200	207	25,317	122	.83	
Bay	302	39	341	336	17	353	352	38,081	108	.99	
Benzie	43		43	31		31	31	3,433	111	.90	
Berrien	562	8	570	546	24	570	554	36,785	67	1.51	
Branch	251	61	312	321	2	323	292	27,941	96	1.05	
Calhoun	329	11	340	341	5	346	328	38,452	117	.85	
Cass	251	6	257	189	5	194	203	22,009	108	,92	
Charlevoix	54		54	79		72	68	5,115	75	1.33	
Cheboygan	73		73	50	20	70	89	6,524	73	1.30	
Chippewa	52		52	49		49	37	5,248	142	.71	
Clare	42		42	50	1	51	31	4,187	135	.74	
Clinton	236		236	201		201	203	28,100	138	.72	
Crawford	11		11	14		14	20	1,159	58	1.78	
Delta	72		72	96	4	100	103	6,812	66	1.51	

## MARRIAGES-COUNTY MARRIAGE RATES.

# TABLE 43 .- CONTINUED .- Marriages Corrected by Counties.

			MA	RRIAG	88.			pro-	a in	EE.
	1	1881.	-		1882.		1883.	1880, Repre- Marriages in	habitants Marriage	riage
COUNTIES.	Number as first Re- turned and Com- piled.	Number Re- turned since first Compi- lation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number as first Re- turned and Com- piled.	Number Re- turned since first Compi- lation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number Re- turned.	Population, 1880 sented by Mar 1883.	of on	Per Cent of Marriages 1883 to Population 1880,
Eaton	240	19	259	246	1	247	244	31,225	128	.78
Emmet	64		64	78		78	83	6,639	80	1.25
Genesee	329	20	349	346	9	355	323	39,220	121	.85
Gladwin	4		4	6		6	4	1,127	282	.36
Grand Traverse	59	19	78	88	5	93	78	8,422	108	.93
Gratiot	197	1	198	213		213	208	21,936	105	.95
Hillsdale	346	15	361	413	6	419	377	32,723	87	1.15
Houghton	196		196	218		218	221	22,473	102	.98
Buron	134	1	135	114		114	155	20,089	130	-77
Ingham	294	10	304	313	16	329	284	33,676	119	.84
Ionia	298	17	315	275	4	279	312	33,872	109	.99
Iosco	110		110	71		71	85	6,873	81	1.24
Isabella	99	1	100	96		96	126	12,159	97	1.04
Jackson	421	41	462	364	40	404	456	42,031	92	1.08
Kalamazoo	276	69	345	297	56	353	288	34,342	119	,84
Kalkaska	31	2	33	32	4	36	21	2,937	140	.75
Kent	646	169	815	922	17	939	881	73,253	83	1.20
Keweenaw	31	1	32	28		28	31	4,270	138	.78
Lake	21		21	37		37	33	3,233	98	1.09
Lapeer	249	17	266	227	7	234	262	30,138	115	.87
Leelanaw	46	1	47	43		43	48	6,253	130	.77
Lenawee	509	5	514	504	46	550	475	48,343	102	.98
Livingston	166	- 1	167	175		175	156	22,251	143	.70
Mackinac	38		38	25		25	34	2,902	85	1.17
Macomb	241	15	256	248		248	252	31,627	125	.80
Manistee	113	4	117	196		196	270	12,532	47	2.13
Manitou	6		6	7		7	3	1,334	445	.25
Marquette	205	41	246	315	10	325	267	25,394	95	1.00
Mason	101		101	111		111	144	10,065	70	1.48
Mecosta	143	23	166	192	31	223	231	13,973	60	1.65
Menominee	158		158	189		189	161	11,987	74	1.34
Midland	59		59	55	2	57	88	6,893	78	1.28
Missaukee	8	Souna.	8	15	la mil	15	12	1,553	129	.77

## VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 43.—CONTINUED.—Marriages Corrected by Counties.

			MA	RRIAG	ES.			pre-	s in	of Marriages in Population in
		1881.			1882.		1883.	1880, Repre- Marriages in	Inhabitants e Marriage	
COUNTIES.	Number as first Re- turned and Com- piled.	Number Re- turned since first Compi- lation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number as first Re- turned and Com- piled.	Number Re- turned since first Compi- lation.	Number Re- turned previ- ous to Dec. 22, 1884.	Number Re- turned.	Population, 188 sented by Mar 1833.	r of	Per Cent of Man 1883 to Popul 1880.
Monroe	345	5	350	349	18	367	387	33,624	87	1.15
Montealm	236	42	278	346		346	356	33,148	93	1.07
Montmorency	1		1	3	11	14	1			
Muskegon	324	6	330	370		370	387	26,586	69	1.46
Newaygo	112		112	138		138	173	14,688	85	1.18
Oakland	307	17	324	309	14	323	315	41,537	132	.76
Oceana	97		97	106		106	129	11,699	91	1.10
Ogemaw	14		14	13		13	21	1,914	91	1.10
Ontonagon	15		15	17		17	17	2,565	151	.66
Osceola	125	13	138	145	5	150	142	10,777	76	1.39
Oscoda	3		3	6		6	13	467	36	2.78
Otsego	20		20	25	1	26	23	1,974	86	1.16
Ottawa	317	5	322	373		373	350	33,126	95	1.06
Presque Isle	33		33	31		31	21	3,113	148	.67
Roscommon	13		13	8		8	17	1,459	85	1.17
Saginaw	570	14	584	604	19	623	629	59,095	96	1.06
Sanilae	125	1	126	201	11	212	190	26,341	139	-79
Schoolcraft	6		6	19		19	25	1,575	63	1.59
Shiawassee	206	9	215	197	5	202	223	27,059	166	.81
St. Clair	369	10	379	422	13	435	377	46,197	123	,85
St. Joseph	364	13	377	326	10	336	339	26,626	79	1.27
Tuscola	199	14	213	257	12	269	241	25,738	-	.94
Van Buren	249	11	260	287	2	289	281	30,807	110	.91
Washtenaw	322	81	403	384	28	412	333	41,848	126	.90
Wayne	1,555	98	1,653	1,576	41	-3336	1,561	166,444	107	.94
Wexford	67	11	78	106		106	75	6,815	91	1.10

## **DEATHS**, 1883.

The total number of deaths from all causes, returned to this office for the calendar year 1883, was 16,906, an increase of 481 over the number reported in 1882, and an increase over each of the previous years except 1881. It is only reasonable that such should be the case when the rapid and steady growth in the population of the State is considered.

The death-rate per 1,000 of the population, according to census of 1880, was 10.35, which was .29 of 1 per cent higher than that for 1882, and 1.51

per cent lower than the rate in 1881.

Corrected for omissions in the enumeration the estimated number of deaths in 1883 was 23,640, and the death-rate 14.48 to each thousand inhabitants, which is also based upon the population in 1889. The death-rate in 1882, for deaths as corrected, was 16.7 to each thousand inhabitants.

After all necessary allowances are made for errors of omission, the deathrate in Michigan compares very favorably with the rates in Massachusetts, Rhode Island, and also in certain European countries, as may be seen in the following tabular exhibit:

COUNTRIES.	Average Death-rate, 1860-1879.	Death-rate, 1880.
Massachusetts	19.7	19.8
England and Wales	22.0	20.5
Denmark	19.7	20.4
Sweden	19.2	18,1
Austria	30.8	29,6
Prussia	26,5	25.5
Netherlands	24.6	23.6
France	23.6	
Hungary	88.9	38.6
Switzerland	24.0	21.9
Italy	29.9	30.5
Spain	29,7	
German Empire	27.0	26,1

The death-rate in Massachusetts for the year 1883 to each 1,000 of the liv-

ing population, was 19.01, and in Rhode Island in 1882, the rate was 18.3 to each thousand inhabitants.

The following tabular statement shows the death-rate in Michigan, both as regards the number of deaths returned, and the number as corrected for omissions in the enumeration. The computations are based upon the population in 1880, and the number of inhabitants represented by the returns of deaths in 1883:

	Inhabitants in 1880, repre- sented by Deaths in 1883.	Deaths	Deaths Cor-	PER CENT OF DEATHS TO INHABITANTS.			
		as Returned.	rected for Omissions in Enumerating.	Deaths as Returned.	Deaths Cor- rected for Omissions.		
Total	1,632,994	16,906	23,640	1.04	1.45		

The following tabular exhibit shows the total number of deaths and the death-rate per 1,000 of the population, for the year 1883, in some of the cities of the United States:

CITIES.	Total Deaths, 1883.	Death-rate, 1883.
New York	34,011	25.81
Brooklyn	13,758	22.04
Chicago	11,555	19.92
Boston	9,740	22.76
Cincinnati	5,916	21.12
Cleveland	3,399	17.46

The average number of deaths during each of certain specified periods of time in 1883, including those in unknown month, was as follows:

Periods of time.	Deaths as Returned.	Corrected for Omissions.
Per quarter	4,227	5,910
Per month	1,409	1,970
Per week	325	455
Per day	46	65

The number and proportion of deaths in each quarter for the years 1881, 1882, 1883, and the average for ten years 1873–1882, may be seen in Table 44. It will be noticed that the year 1883 corresponds quite accurately with the average. As is usually the case, the largest mortality in 1883 occurred in the quarter of the year ending with September, that being the period when the heat of summer has its effect upon the lives of young children. The only two exceptions to this were the years 1878 and 1882, in each of which the last quarter of the year had the largest proportion of deaths.

When the returns of deaths are corrected for omissions, as seen in the lower part of the table, the third quarter has the largest number both for the year 1883, and the average for ten years.

TABLE 44.—Deaths in Michigan by Quarters of the Year, Exhibiting the Number and Per Cent of Total as Returned and as Corrected for the Years 1881-1883, and the Average for Ten Years 1873-1882.

TO	TALS, AND MONTHS WITH	18	81.	18	82.	18	83.	Av. for 10 Years, 1873-1882.	
100	WHICH QUARTERS END.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.
To	tals	19,238	100.00	16,425	100.00	16,906	100.00	14,318	100.00
1747	March	3,458	17.98	3,521	21.44	3,574	21.14	2,865	20.01
od.	June	4,160	21.62	4,055	24.69	4,184	24.75	3,252	22.71
As turned.	September	6,248	32.48	4,282	26.07	4,703	27.82	4,276	29.86
Ret	December	5,306	27.58	4,489	27.33	4,396	26.00	3,872	27.04
3	Unknown	66	.34	78	.47	49	,29	53	.38
Av	erage	4,809	25.00	4,106	25.00	4,227	25.00	3,580	25.00
To	tals	27,387	100.00	27,306	100.00	23,640	100.00	21,482	100,00
	March	5,679	20.74	6,951	25.46	5,660	23.94	4,993	23.24
lone	June	6,314	23.05	7,242	26,52	6,158	26.05	5,221	24,30
orre	September	8,642	31.56	6,787	24.86	6,352	26.87	6,177	28.76
As Corrected for Omissions.	December	6,686	24.41	6,248	22.88	5,421	22.93	5,038	23.45
10	Unknown	66	.24	78	.28	49	.21	53	.25
Av	erage	6,846	25.00	6,827	25.00	5,910	25.00	5,371	25,00

<sup>\*</sup> Including deaths in unknown month.

The mortality in Michigan, by months, for the years 1881, 1882, 1883, and the average for ten years 1873-1882, may be found in Table 45. August is usually the month which contributes the largest number of deaths, but the year 1882 was an exception, August standing fifth in order. It may be noticed that the months of August, September, and December stand first in order, not only for the year 1883, but also for the average for ten years.

TABLE 45.—Exhibiting, by Months, the Number and Per Cent of Deaths returned for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882, the months arranged in order by Number of Deaths, greatest first.

	1	881.		1	882.		1	1883.		AVERAGE FOR 10 YEARS, 1873-1882.		
er.	Year and Months.	Num ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.
Ord	Year	19,238	100.00	Year	16,425	100.00	Year	16,906	100.00	Year	14,318	100.00
1	Sept	2,301	11.96	Dec	1,570	9.56	Aug,	1,651	9.77	Aug	1,560	10,80
2	Aug	2,246	11.67	Sept	1,545	9.41	Sept	1,613	9.54	Sept	1,530	10.69
3	Oct	1,941	10,09	Oct	1,498	9.12	Dec	1,598	9.45	Dec	1,345	9.39
4	Dec	1,748	9.09	May	1,480	9.01	April	1,500	8.87	Oct	1,329	9.28
5	July	1,701	8.84	Aug	1,453	8.85	July	1,439	8.51	Nov	1,198	8.37
6	Nov	1,617	8.41	Nov	1,421	8.65	May	1,430	8.46	July	1,186	8.28
7	May	1,457	7.57	Mar	1,372	8.35	Oct	1,401	8.29	April	1,146	8.00
8	April	1,427	7.42	April	1,311	7.98	Nov	1,397	8.26	May	1,127	7.87
9	Mar	1,315	6.84	July	1,284	7.82	Mar	1,374	8.13	Mar	1,106	7.75
10	June	1,276	6.63	June	1,264	7.70	June	1,254	7.42	June	979	6.84
11	Feb	1,078	5.60	Feb	1,171	7.13	Feb	1,133	6.70	Feb	935	₹ 6.53
12	Jan	1,065	5.54	Jan	978	5.95	Jan	1,067	6.31	Jan	824	5.76
	Unk	66	.34	Unk	78	.47	Unk	49	.29	Unk	53	.38
	Av	1,603	8.33	Av	1,369	8.83	Av	1,409	8.33	Av	1,193	8.33

## SEX OF DECEDENTS.

The following table shows the number and proportion of males and females among the decedents in Michigan for the years 1870 to 1883 inclusive; also the average for the same period of years. During the year 1883 there were returned 9,101 males and 7,748 females, there being 117.5 males to each 100 females, or 54.02 males and 45.98 females in each 100 decedents. It will be noticed that in every year the number of male decedents exceeds that of female decedents, the average for the fourteen years being 114.4 males to each 100 females. This disparity is largely due to the excess of males in the population; for, by computing the rate of mortality in each thousand inhabitants, based on the census of 1880, there appears but little difference in the two sexes. The death-rate in 1883 among males was 10.58 per 1,000, and that of females was 10.02; in 1882 the rates were 10.13 and 9.92, respectively; in 1881 they were 12.02 and 11.60; and in 1880 they were 10. and 9.62.

Table 46 takes the place of Table III. in previous Reports, which gave, by onths, the results for a single year only.

TABLE 46.—Number and Per Cent of Deaths of Males and of Females returned in Michigan for the Years 1870-1883. (Unknown Sex excluded.)

	Deaths	Deaths	Deaths	PER CENT OF EACH SEX TO TOTAL OF BOTH SEXES.						
YEARS.	of Males, as Returned.	of Females, as Returned.	Males to 100 Deaths of	Males.	Females.	Excess of the Sexes.				
The same of the sa	Neturneu.	Nevurneu.	Females.	Mules.	r emaies.	Males.	Females			
1870	5,589	5,140	108.7	52.09	47.91	4.18				
1871	5,190	4,503	115.3	53.54	46.46	7.08				
1872	7,182	6,162	116.6	53.82	46.18	7.64				
1873	7,651	6,590	116.1	53.73	46.27	7.46				
1874	6,665	5,804	314.8	53.45	46.55	6.90				
1875	6,448	5,484	317.6	54.04	45.96	8.08				
1876	6,756	5,761	117.3	53.97	46.03	7.94				
1877	6,827	6,040	113.0	53.06	46.94	6.12				
1878	6,632	6,082	109.0	52.16	47.84	4.32				
1879	7,522	6,848	109.8	52.34	47.66	4.68				
1880	8,645	7,410	116.7	53.85	46.15	7.70				
1881	10,263	8,910	115.2	53.53	46.47	7.06				
1882	8,713	7,664	113.7	53,20	46.80	6.40				
1883	9,101	7,748	117.5	54.02	45.98	8.04				
Average	7,370	6,439	114.4	53.37	46.63	6.74				

## OMISSIONS IN THE ENUMERATION OF DEATHS.

Applying the method of correction, used in previous Reports, for omissions in the enumeration because of the time elapsing between the occurrence of the deaths and their enumeration by the supervisors, it is found that it is necessary to increase the number of deaths returned for 1883 by about 40 per cent in order to equal the number which probably occurred, according to that evidence. Adding this per cent to the deaths as returned, it makes the estimated number for 1883, 23,640.

Table 47 represents the months in order, after the above corrections have been made, for each of the years 1881, 1882, 1883, and the average for ten years 1873-1882. This table which corresponds with Exhibit D in previous

Reports, may be compared with Table 45.

TABLE 47.—Exhibiting, by Months, the Number and Per Cent of Deaths, as corrected for Omissions in the Enumeration, for the Years 1881-1883, and the Average for Ten Years 1873-1882, Months arranged in Order by Number, greatest first.

		1881.			1882.			1883.		Average for 10 Years, 1873-1882.		
ORDER.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Pr. Ct. of Total.
	Total	27,387	100.00	Total	27,306	100.00	Total	23,640	100.00	Total	21,482	100,00
1	Aug	3,116	11.38	May	2,642	9.68	April	2,263	9.57	Aug	2,256	10,50
2	Sept	3,093	11.29	Mar	2,629	9.63	Aug	2,232	9.44	Sept	2,140	9.96
3	Oct	2,526	9.22	Apr	2,426	8.88	Mar	2,127	9.00	April	1,894	8.89
4	July	2,433	8.88	Sept,	2,354	8,62	Sept	2,118	8,96	Mar	1,879	8.75
5	April	2,225	8.12	Feb	2,320	8.50	May	2,101	8.89	May	1,807	8.41
6	May	2,209	8.07	Aug	2,309	8.46	July	2,002	8.47	Oct	1,794	8.35
7	Dec	2,125	7.76	Oct	2,185	8.00	Dec	1,911	8.08	July	1,781	8.29
8	Mar	2,107	7.69	June	2,174	7.96	Feb	1,798	7.61	Dec	1,684	7.84
9.	Nov	2,035	7.43	July	2,124	7.78	June	1,794	7.59	Feb	1,634	7.61
10	June	1,880	6.87	Dec	2,084	7.63	Oct	1,785	7,55	Nov	1,560	7.26
11	Jan	1,798	6.57	Jan	2,002	7.33	Jan	1,735	7.34	June	1,520	7.07
12	Feb	1,774	6.48	Nov	1,979	7.25	Nov	1,725	7.29	Jan	1,480	6.80
	Unk	66	.24	Unk	78	.28	Unk	49	.21	Unk	53	.20
	Av.a	2,282	8.33	Av.a	2,276	8.33	Ay. a	1,970	8 33	Av. a	1,790	8.33

<sup>.</sup> Including deaths in unknown month.

### AGES OF PERSONS WHO DIED IN MICHIGAN IN 1883.

Table 48, which is the same as Table IV. in previous reports, contains some important evidence concerning the proportion of deaths at different ages and periods of life. As may be seen, about a fourth of all the deaths in 1883 were those of children under one year of age, and more than a third of the entire mortality occurred among children under five years of age. These proportions are very similar to those for previous years, as may be seen by reference to Table 49, which is published in this Report for the first time.

The proportion of deaths under one and five years of age, in 1883, was less than the average for twelve years 1872-1883, and it is worthy of notice that while the per cent of decedents under one year of age has been increasing for the last three years the per cent of decedents under five has been decreasing. As in 1882, there was a marked decrease in some of the prominent causes of death among children, this being especially true of diphtheria.

It is quite interesting to note the proportion of males and females among the decedents at different ages, as is shown in Table 48. The largest excess among the males appears for those under one year of age, there being 132 males to each 100 females, and among those under five years of age there were 127 males to each 100 females.

At the period of life between the ages of fifteen and forty years the proportion of deaths was very much greater among females, but at other periods of life the excess is among the males; as this was true, not only for 1883 but also for former years, it becomes a general statement.

TABLE 48.—Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons returned as having died in Michigan during the Year 1883; also, the Excess of Persons of each Sex.

AGES IN YEARS	Num	BER OF 188	DEATI	18,	ATE	ACH AC AL AT AGES.	ALL	PER	CENT O TOTAL SEX			THE :	SEXES Y BEE,	Males
AND PERIODS.	Total.	Males.	Fe- males.	Unk	Total.	Males.	Fe- males.	Males.	Fe- males		Fe- males.	Males.	Fe- males.	Fe- males.
All ages	16,906	9,101	7,748	57	100.00	100.00	100,00	54.02	45.98			1,353		117.46
Under 1	4,197	2,366	1,780	51	24.83	25,99	22.97	57.07	42.93	14.14		586		132.92
I to 2	938	519	418	1	54.89	5,69	5.39	55.39	44.61	10.78				124.16
2 to 3	565	292	272	1	3.34	3.21	3.51	51.77	48.23	3.54		20		107.33
3 to 4	424	227	197		2,51	2.49	2.54	53,54	46.46	7.08		30		115,23
4 to 5	345	193	152		2.04	2.13	1.96	55.94	44.06	11.88		41		126.97
Under 5	6,469	3,597	2,819	53	38.26	39,52	36.37	56.06	43.94	12.12		778		127.60
5 to 10	1,019	503	516		6.03	5.53	6.66	49.36	50.64		1.28		13	97.48
10 to 15	503	264	239		2.98	2,90	3,09	52.49	47.51	4.98		25		110.40
15 to 20	678	317	361		4.01	3.48	4.66	46.76	53.24		6.48		44	87.8
20 to 25	858	406	452		5.07	4.46	5.83	47.32	52.68		5.36		46	89.85
25 to 30	727	345	382	****	4.30	3.79	4.93	47,46	52.54		5.08		37	90,3
30 to 35	556	251	305		3.29	2.76	3.94	45.14	54.86		9.72		54	82.30
35 to 40	602	271	331		3.56	2.98	4.27	45.02	54.98		9.96		60	81.8
40 to 45	499	259	240	****	2.95	2.85	3.10	51.92	48,08	3.84		19		107.9
45 to 50	489	254	235		2.89	2.79	3.03	51.94	48,06	3.88		19		108.0
50 to 55	520	295	225		3.08	3.24	2.90	56.73	43.27	13.46		70		131.1
55 to 60	500	299	201		2.95	3.29	2.59	59.80	40.20	19.60		98		148.7
60 to 65	627	380	247		3.71	4.18	3.19	60.61	39.39	21.22		133		153.8
65 to 70	627	359	268		3.71	3.94	3.46	57.26	42.74	14.52		91		133.9
70 to 75	671	395	276		3.97	4.34	3.56	58.87	41.13	17.74		119		143.1
75 to 80	568	339	229		2.36	3.72	3.96	59,68	40.32	19.36		110		148.0
80 to 85	415	241	174		2,45	2.65	2.25	58.07	41.93	16.14		67		138.5
85 to 90	181	110	71		1.07	1.21	.92	60.77	39.23	21.54		39		154.93
90 to 95	63	30	33		,39	.33	-43	47.62	52.38		4.76		3	90.9
95 to 100	28	17	11		,17	.19	-14	60.71	39.29	21.42		6		154.5
100 and over	11	4	7		.06	.04	.09	36.36	63.64		27.28		3	57.1
Unk Ages.	295	165	126	4	1.74	1.81	1.63	56.70	43.30	13.40		39		130.93

It may also be noticed, from Table 49, that while the proportion of deaths among children under one and five years of age was lower in 1883 than the average for twelve years, the proportion of deaths among those aged 20 to 30 and for all other ages was higher.

TABLE 49.—Exhibiting the Per Cent of Deaths at Different Ages, for the Years 1872-1883, and the Average for Twelve Years.

YEARS.	Under 1 Year.	Under 5 Years.	20 to 30.	All Others.
1872	24.49	41.52	9.21	49.27
1873	25,00	41.37	9.39	49.24
1874	26,98	41.10	9.05	49.85
1875	27.59	41.39	8.89	49.72
1876	27.24	40.72	8.58	50.70
1877	26.11	40.30	8.68	51.02
1878	25.22	39.22	8.43	52.35
1879	24.68	39.52	8,23	52.25
1880	24.66	39.95	7.96	52.09
1881	24.20	40.63	9.00	50.37
1882	24.38	38.81	8.72	52.47
1883	24.83	38.26	9.37	52.37
Average	25.45	40.23	8.79	50,98

## DEATHS BY MONTHS AT DIFFERENT AGES.

Table 50 shows the influence of the season of the year upon the mortality among persons in different periods of life. The showing of this table for 1883 is that, of the decedents under one year of age, the largest proportion (13.26 per cent) died in the month of August, and that the per cent of decedents under one year of age to decedents at all ages was greater (33.68) in August than in any other month of the year. The same is also true of decedents under five years of age.

The deaths of children between the ages of five and ten years show the largest proportion for the months of May and December; of persons between the ages of ten and twenty, the largest proportion was in April; of those between the ages of twenty to fifty and over the largest proportion was in

December.

The teaching of this table for the year 1883, and also for previous years, has been that August was the month of greatest danger to children under five years of age, and that to children between the ages of five and ten years, and adults over fifty the greatest danger was in December.

Tables 51 and 52 continue the subject of deaths by ages in detail, and

permit of its study by sex of decedents by months of death.

TABLE 50.—The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same Period of Age, the Relation of the Deaths in each Month to the Deaths in the Year 1883, according to the Relurns.

Allages			Year,					M	Моктив, 1883	, 1883.					-
Number	DEATHS BY AGES	IN PERIODS OF YEARS.	1883.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Number	All ages		16,857	1,067	1,133	1,374	1,500	1,430	1,254	1,439	1,651	1,613	1,401	1,397	1,508
Per Cent of All Ages	unNj	lbor	4,192	234	268	341	321	202	284	424	256	476	334	296	363
Number	-		24.87	21.93	23.65	24.82	21.40	20.63	22.65	20.46	33.68	29.51	23,84	21.19	22.72
Per Cent of All Ages   34.68   37.92   35.87   34.55   34.45   42.95   49.	Per	170	100.00	5.58	6.39	8.13	7.66	7.04	6.78	10.11	13.26	11.36	7.97	7.06	8.66
Per Cent of All Ages	unN)	lber	6,459	370	438	521	538	169	432	819	814	969	516	999	999
Per Cent of Deaths, 1883   100,00   5,73   6,78   8,07   8,53   7,65   6,69   8,57   19   19   19   19   19   19   19   1	-		38.32	34.68	38.66	37.92	35.87	34.55	34.45	42.95	49.30	43,15	36.83	33.36	34.79
Number	Por		100.00	5.73	6.78	8.07	8.33	7.65	6.69	9.57	12.60	10.77	7.99	7.21	8.61
Per Cent of All Ages   6.03   7.97   6.10   6.75   6.00   6.85   6.46   6.18     Per Cent of Deaths, 1883   100.00   8.37   6.10   7.77   8.86   8.65   7.97   8.76     Per Cent of All Ages   6.39   8.30   6.80   6.83   8.33   8.39   8.45   8.91     Per Cent of All Ages   100.00   8.06   6.58   6.78   10.80   10.18   9.07   7.21     Per Cent of Deaths, 1883   100.00   6.06   6.46   8.41   8.45   8.45   8.45   8.16     Per Cent of All Ages   24.96   26.15   22.78   20.33   23.29   23.62   21.06     Per Cent of All Ages   24.96   26.15   25.95   24.40   24.40   24.40   24.40     Per Cent of Deaths, 1883   100.00   6.63   6.85   9.72   24.40   24.40   24.40     Per Cent of Deaths, 1883   100.00   6.63   6.85   24.40   24.40   24.40   24.40     Per Cent of All Ages   24.96   26.15   25.95   24.40   24.40   24.40   24.40     Per Cent of All Ages   1.57   1.22   1.22   1.46   1.60   2.05   1.28   278     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   278     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   278     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   278     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   278     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   278     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   278     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   2.78     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   2.78     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   2.78     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   1.28   2.78     Per Cent of All Ages   1.67   1.22   1.46   1.60   2.05   2.88     Per Cent of All Ages   1.67   1.22   2.48   2.48     Per Cent of All Ages   1.67   1.67   2.05   2.05   2.05     Per Cent of All Ages   1.67   2.05   2.05   2.05   2.05     Per Cent of All Ages   1.67   2.05   2.05   2.05   2.05     Per Cent of All Ages   1.67   2.05   2.05   2.05   2.05     Per Cent of All Ages   1.67   2.05   2.	mnN)	1ber	1,016	85	62	79	90	88	81	88	27	88	32	8	98
Per Cent of Deaths, 1883			6.03	7.97	5.47	5.75	9.00	6.85	6.46	6.18	4.36	5.46	6.07	6.37	6.13
Number	Per	100	100,00	8.37	6.10	77.77	8.86	9.65	7.97	8.76	7.09	8.66	8.37	8.76	9.64
Per Cent of All Ages   6.99   8.90   6.80   6.83   8.33   8.89   8.53   5.01     Per Cent of Deaths, 1883   100.00   8.06   6.53   6.78   10.60   10.18   9.07   7.21     Per Cent of Deaths, 1883   100.00   6.06   6.46   8.43   8.45   8.45   23.52   21.06   1.31     Per Cent of All Ages   100.00   6.06   6.46   8.45   8.45   8.45   8.45   8.16   1.31   24.90   25.25   304     Per Cent of Deaths, 1883   100.00   6.63   6.99   8.58   9.72   8.46   7.58   7.22     Per Cent of Deaths, 1883   100.00   6.63   6.99   8.58   9.72   8.46   7.68   7.22     Per Cent of All Ages   100.00   6.63   6.99   8.56   9.72   8.46   7.68   7.22     Per Cent of All Ages   100.00   6.63   6.99   8.56   9.72   8.46   7.68   7.23     Per Cent of All Ages   1.57   1.22   1.94   1.46   1.60   2.03   1.28   2.78     Per Cent of All Ages   1.57   1.22   1.94   1.46   1.50   2.05   1.28   2.78     Per Cent of All Ages   1.57   1.22   1.94   1.46   1.50   2.05   1.28   2.78     Per Cent of All Ages   1.57   1.52   1.94   1.46   1.50   2.05   1.28   2.78     Per Cent of All Ages   1.57   1.52   1.52   1.54   1.50   2.05   1.28   2.78     Per Cent of All Ages   1.55   1.55   1.55   1.55   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.78   2.78     Per Cent of All Ages   1.55   2.78   2.78   2.78   2.	L Num	1ber	1,179	96	11	80	125	120	107	28	16	112	91	16	86
Per Cent of Deaths, 1983			6.99	8.90	6.80	5.83	8.33	8.39	8.53	5.91	6.88	16'9	6.50	6.51	6.26
Number	Per		100.00	8.06	6.53	6.78	10.60	10.18	9.07	7.21	8.23	9.50	7.73	7.72	8.40
Per Cent of All Ages	unN)	1ber	3,714	225	240	313	314	333	295	308	302	330	341	312	403
of Deaths, 1883 100.00 6.06 6.46 8.43 8.45 8.97 7.94 8.16 8.16 8.00 8.00 8.43 8.43 8.45 8.97 7.94 8.16 8.10 8.10 8.10 8.10 8.10 8.10 8.10 8.10	-		22.03	21.00	21.18	22.78	20.93	23.29	23.52	21.06	18.47	20,46	24.34	22,33	25.22
of All Ages	Por		100.00	90'9	6.46	8.43	8.45	8.97	7.94	8.16	8.21	8.89	9.18	8.40	10.85
of Ali Ages	uoN)	1ber	4,208	973	168	361	409	356	323	\$00°	338	385	342	415	499
of Denths, 1883 281 13 22 20 24 29 16 40 1.00 1.88 2.03 1.88 2.72 8.46 7.68 7.23 8	50 and over   Per		24.96	26.15	25.95	26.27	27.27	24.90	25.76	21.13	20.47	22,63	24.41	29.71	26.41
of All Ages 1.67 1.22 1.94 1.46 1.60 2.03 1.28 2.78 1.	Per		100.00	6.63	6.99	8.58	9.72	8.46	7.68	7.22	8.03	8.67	8.13	9.86	10.08
of All Ages 1.67 1.22 1.94 1.46 1.60 2.03 1.28 2.78	unN)	aber	281	13	85	20	24	88	16	9	25	22	96	55	20
	Unk. Ages   Per		1.67	1.22	1.94	1.46	1.60	2.03	1.28	9.78	121	1.36	1.86	1.73	1,25
(Per Cent of Denths, 1883 100,00 4.63 7.88 7.19 8.54 10.32 5.69 14.23 8.90	Per	of Deaths, 1883	100.00	4.63	7.83	7.18	8.54	10.32	69.9	14.23	8.80	7.83	9.25	8.54	7.12

. Excluding unknown month.

TABLE 51.—Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year. and in each Month of the Year 1883.

GES IN PERIODS		Year,						Mon	гиз,	1883.					
OF YEARS.	Sex.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	16,906	1067	1133	1374	1500	1430	1254	1439	1651	1613	1401	1397	1598	4
	Males	9,101	580	579	720	808	759	687	765	897	892	755	766	863	3
Il Ages.	Females	7,748	483	549	649	688	667	561	667	749	714	641	629	732	1
	Unknown	57	4	5	5	4	4	6	7	5	7	5	2	3	
	Total	4,197	234	268	341	321	295	284	424	556	476	334	296	363	
	Males	2,366	146	146	184	192	164	160	250	295	271	189	156	210	
Inder 1	Females	1,780	85	117	152	125	127	119	169	257	199	140	138	150	
	Unknown	51	3	5	5	4	4	5	5	4	6	5	2	3	
	Total	6,469	370	438	521	538	494	432	618	814	696	516	466	556	- 1
La Ball	Males	3,597	221	233	279	304	266	246	348	434	394	294	252	320	
Ill under 5	Females	2,819	146	200	237	230	224	180	265	376	295	217	212	233	
	Unknown	53	3	5	5	4	4	6	5	+	7	5	2	3	
	Total	1,019	85	62	79	90	98	81	89	72	88	85	89	98	
to 10	Males	503	40	33	40	44	47	42	40	37	46	36	48	48	
I BE TO THE	Females	516	45	29	39	46	51	39	49	35	42	49	41	50	
	Total	503	48	38	28	49	44	42	36	39	45	42	50	41	
0 to 15	Males	264	26	17	12	27	29	27	29	19	22	22	18	16	
	Females	239	22	21	16	22	15	15	7	20	23	20	32	25	-
WAR TO THE	Total	678	47	39	52	75	76	65	49	58	67	49	41	58	1
5 to 20	Males	317	19	13	26	38	36	30	22	30	35	22	18	27	
	Females	361	28	26	26	38	40	35	27	28	32	27	23	31	
	Total	858	52	59	79	74	82	75	60	76	72	76	69	82	
0 to 25	Males	406	22	31	36	34	45	36	26	36	34	38	32	34	-
The state of the s	Females	452	30	28	43	40	37	39	34	40	38	38	37	48	
	Total	727	41	35	66	56	66	66	59	53	69	75	55	84	
5 to 30	Males	345	13	17	35	26	28	34	25	31	34	26	37	863 732 3 363 210 150 3 556 320 233 3 98 48 50 41 16 25 58 37 31 82 34 48 84 67 32 35 57 25 32 59	
	Females	382	28	18	31	30	38	32	34	22	35	49	18	46	
	Total	556	31	41	37	39	44	45	51	54	55	39	50	67	
0 to 35	Males	251	14	16	19	12	19	18	18	32	32	16	92	32	
-	Females	305	17	25	18	27	25	27	33	22	23	23	28	35	
	Total	602	36	33	51	59	57	39	47	60	36	66	57	57	
5 to 40	Males	271	22	12	20	25	20	13	22	30	15	34	30	25	1
	Females	331	14	21	31	34	37	26	25	30	21	32	27	1000	
1	Total	499	13	34	39		41	37	47	28	54	39	43		
0 to 45	Males	259	1		21	20	22	17	19	14	32	20	23		
The state of the s		1	1		1	-		-	20			1		-	

TABLE 51 .- Continued .- Deaths by Periods of Age, by Sex, by Months.

GES IN PERIODS	Total I	Year,				_		MI OM	гив,	10000		_			
OF YEARS.	Sex.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June,	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1	Total	489	33	38	41	43	43	33	39	34	44	46	38	54	
	Males	254	17	18	19	23	25	14	15	19	27	27	23	25	
1	Females	235	16	20	22	20	18	19	24	15	17	19	15	29	
1	Total	520	23	33	54	55	40	47	43	39	39	44	55	48	
0 to 55	Males	295	14	15	30	33	19	30	25	92	20	21	34	32	
1	Females	225	9	18	24	22	21	17	18	17	19	23	21		
1	Total	500	42	29	37	47	50	40	36	39	49	38	46	46	
5 to 60	Males	299	22	15	20	33	36	25	24	23	26	20	27	28	
	Females	201	20	14	17	14	14	15	12	16	23	18	19	18	
1	Total	627	38	46	49	66	55	50	44	57	60	48	65	49	
0 to 65	Males	380	23	28	32	38	42	25	24	30	40	30	40		
The state of the s	Females	247	15	18	17	28	13	25	20	27	20	18	25	1000	
	Total	627	41	44	46	57	56	38	50	39	66	57	55	77	
5 to 70	Males	359	21	26	22	34	22	22	28	27	42	37	31	47	
The state of the s	Females	268	20	18	24	23	34	16	22	12	24	20	24	30	
4	Total	671	47	50	63	60	43	47	52	56	60	60	65		
0 to 75	Males	395	28	25	38	33	24	29	30	29	33	37	49	1000	-
	Females	276	19	25	25	27	19	18	22	27	27	23	16		
	Total	568	36	46	61	43	56	42	37	51	46	39	57		
5 to 80	Males	339	21	25	32	21	31	27	22	40	23	29	34		
7 37 413 117	Females	229	15	21	29	22	25	15	15	11	23	10	93	20	-
	Total	415	31	26	30	49	37	32	26	35	28	32	48		
0 == 05	Males	200	20		17	27	24	26	14	19	17			40	
60 to 85	Females	241	100	17	100	60				. 3	2.3	17	30	12	
	Total	174	11	13	13	22	13	6	12	16	11	15	18		-
		181	15	10	16	22	12	12	13	13	10	16		100	
5 to 90	Males	110	1	6	9	17	7	7	7	9	3	12	6	100	-
	Females	71	4	4	7	5	5	5	6	74	7	4	11	- 69	
The state of the s	Total	63		5	5	3	6	8	3	5	4	5	5	- 3	
90 to 95	Males	30	1	3	3	1	1	5	2	****	2	3		100	**
	Females	33		2	2	2	5	3	1	5	2	2	4		-
and a second	Total	28	100	4		4	1	5		3	3	3			
95 to 100	Males	17		2		3	1	3		2	1	1	1		**
	Females	11	3	2		1	••••	2		1	2	2	****	1	1
weeks and a	Total	11	1 3	1	••••	3		2		1			1	2	
100 and over	Males	4				1				1		****	****	1	m
	Females	7		1		2	1000	2		****			1	1	
	Total	295				24	29	10.3	40	25	- 9	26		20	
Unknown	Males	165	1	6.00		14	15	11	25	13	14	13	10	13	
And in case of the last of the	Females	126	6	10	10	10	14	5	13	11	8	13	14	7	

TABLE 52.—Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1883 at each and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.

AGES	200	Year,	1				Mon	тив,	1883				4		
YEARS.	SEX.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	2,030	128	137	173	170	165	145	183	198	210	158	173	185	
	Males	1,143	75	72	86	99	84	83	110	109	121	89	94	118	
Under 1-12	Females	837	51	60	82	67	77	57	68	85	83	64	77	64	
	Unknown	50	2	5	5	4	4	5	5	4	6	5	2	3	
	Total	372	16	22	35	33	24	28	42	58	33	32	28	21	-
.12	Males	221	13	10	22	21	13	19	31	27	19	19	16	11	
	Females	151	3	12	13	12	11	9	11	31	14	13	12	10	-
	Total	280	9	19	23	19	13	15	34	40	40	28	18	22	
2-12	Males	160	5	10	15	• 13	8	7	19	21	26	17	9	10	1.
	Females	120	4	9	8	6	5	8	15	19	14	11	9	12	1-
	Total	253	12	12	13	14	16	18	26	43	43	16	18	22	-
	Males	138	8	7	7	8	9	8	14	20	31	10	9	7	-
3-12	Females	114	3	5	6	6	7	10	19	23	12	6	9	15	-
	Unknown	1	1												1.
	Total	204	5	13	14	13	12	13	23	44	19	18	10	20	-
-12	Males	111	3	8	10	8	8	7	12	19	8	9	5	14	-
	Females.	93	2	5	4	5	4	6	11	25	11	9	5	6	-
	Total	189	11	13	12	4	9	11	24	38	20	16	9	22	1-
5-12	Males	109	7	9	8	3	4	5	14	22	9	10	5	13	
	Females	80	4	4	4	1	5	6	10	16	11	6	4	9	-
	(Total	188	12	10	16	14	10	8	20	25	25	20	11	17	
6-12	Males	104	7	4	10	7	8	5	12	17	13	8	4	9	
	Females_	84	5	6	6	7	2	3	8	8	12	12	7	8	
	Total	142	10	8	13	9	4	10	15	16	26	11	10	10	
7-12	Males	79	6	6	7	7	3	6	10	10	9	3	5	7	
	Females	63	4	2	6	2	1	4	5	6	17	8	5	3	
	Total	154	11	11	10	15	15	9	11	21	18	13	7	13	
8-12	Males	87	8	6	6	7	11	4	3	14	12	7	3	6	1.
	Females	67	3	5	4	8	4	5	8	7	6	6	4	7	
	[Total	119	6	13	8	12	11	7	16	25	5	4	4	8	
9-12	Males	67	3	7	9	7	8	4	10	15	4	3	2	9	1-
	Females	52	3	6	6	5	3	3	6	10	1	1	2	6	
	[Total	120	6	5	11	11	4	12	12	18	22	9	2	8	
12	Males	59	5	4	4	6	2	8	6	4	9	7	1	3	
	Females_	61	1	1	7	5	9	4	6	14	13	2	1	5	

TABLE 52 .- CONTINUED .- Deaths by Ages, by Sex, by Months.

AGES	1	Year,	-				Mon	тив,	1883		- 25				
YEARS.	SEX.	1883.	Jan.	Feb.	Mar.	Apr.	May.	Jun.	July.	Ang.	Sept.	Oet.	Nov.	Dec.	Unk.
	Total	146	8	5	13	7	12	8	18	30	15	9	6	15	
11-19	Males	88	6	3	7	6	6	4	- 9	17	10	7	3	10	
	Females.	58	2	2	6	1	6	4	9	13	5	2	3	5	
	Total	938	48	72	79	83	79	60	83	121	102	71	56	80	. 4
	Males	519	25	41	44	42	44	37	41	73	57	40	28	44	1 3
L	Females	418	23	31	35	41	35	22	42	48	45	31	28	36	1
- 3	Unknown	1						1							
	Total	565	43	37	38	62	56	. 35	42	62	53	45	47	45	
	Males	292	27	15	16	34	25	23	20	31	29	26	24	22	
	Females	272	16	22	22	28	31	12	22	31	23	19	23	23	
	Unknown	1									1				
	Total	424	25	34	32	41	36	33	41	44	35	37	32	33	1
3	Males	227	12	17	15	22	21	16	24	20	19	20	21	20	
	Females_	197	13	17	17	19	15	17	17	24	16	17	11	13	1
	Total	345	20	27	81	31	28	20	28	31	30	29	35	35	
4	Males	193	11	. 14	20	14	12	10	13	15	18	19	23	24	
	Females_	152	9	13	11	17	16	10	15	16	12	10	12	11	
	Total	297	38	21	21	26	23	16	21	24	22	28	28	28	3
5	Males	146	16	12	10	9	12	6	14	14	10	13	15	14	1 3
	Females	151	22	9	11	17	11	10	7	10	12	15	13	14	
	Total	222	19	17	13	21	28	20	17	13	18	15	18	23	
6	Males	116	10	11	6	11	15	14	5	6	9	7	10	12	
	Females	106	9	6	7	10	13	6	12	7	9	8	8	11	
	Total	196	10	9	22	16	17	12	24	12	20	17	19	18	
7	Males	92	5	4	11	5	8	6	7	6	12	7	12	9	
	Females.	104	5	5	11	11	0	6	17	6	8	10	7	9	
	Total	161	9	10	11	17	13	16	14	11	11	17	12	18	1
8	Males	90	6	6	7	12	6	9	7	6	9	8	6	7	1
	Females	71	3	4	4	5	7	7	7	5	2	9	6	11	1
	Total	143	9	5	12	10	17	17	13	12	17	8	12	11	
9	Males	59	3		6	7	6	7	7	5	6	1	5	6	
	Females.	84	6	5	6	3	11	10	6	7	11	7	7	5	
	Total	105	5	6	8	13	8	11	7	6	7	12	7	14	1
10	Males	45	2	3	3	5	3	4	6	2	1	7	2	4	
	Females	60	3	3	5	8	5	7	1	4	3	5	5	10	1
	Total	120	6	8	3	10	15	12	, 11	9	12	10	16	8	
11	Males	73	4	2	1	7	12	9	11	4	6	6	8	3	***
	Females .	47	2	6	2	3	3	3		5	6	4	8	5	

TABLE 52 .- CONTINUED .- Deaths by Ages, by Sex, by Months.

AGES		Year,					Mon	NTHS,	1883						
YEARS.	Sex.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Unk,
(1	otal	94	7	8	7	12	7	6	9	10	7	5	8	8	
12 M	Inles	56	3	5	4	9	3	6	6	7	5	1	3	4	
F	emales .	38	4	3	3	3	4		3	3	2	4	5	4	
(T	otal	87	18	6	2	6	6	7	2	3	8	11	11	7	
13 M	lales	43	9	2	20	2	6	3		2	4	6	3	4	
(F	emales -	44	9	4		4		4	2	1	4	5	8	3	
(T	otal	97	12	10	8	8	8	6	7	11	11	4	8	4	
14 M	lales	47	8	5	2	4	5	5	6	4	3	2	2	1	
F	emales.	50	4	5	6	4	3	1	1	7	8	2	6	3	
[T	otal	118	8	7	6	11	13	12	9	8	6	8	13	17	
15 M	lales	64	4	2	5	7	7	6	5	6	5	2	8	7	
(F	emales.	54	4	5	1	4	6	6	4	2	1	6	5	10	
[T	otal	129	4	8	14	14	14	14	12	11	17	6	8	7	
16 M	ales	58	2	3	6	6	8	5	4	6	7	3	5	3	
įF	emales.	71	2	5	8	8	6	9	8	5	10	3	3	4	
T	otal	144	7	8	5	19	18	10	14	18	16	14	5	10	
17 M	ales	63	2	2	1	11	5	7	5	8	8	8	1	5	
(F	emales	81	5	6	4	8	13	3	9	10	8	6	4	5	
[T	otal	133	16	6	9	10	15	12	6	13	14	8	8	15	1
18 M	lales	55	7	3	4	4	7	1	4	5	8	3	3	5	1
(F	emales.	78	9	3	5	6	8	11	2	8	6	5	5	10	
- [T	otal	154	12	10	18	. 22	16	17	8	8	14	13	7	9	
19 M	ales	77	4	3	10	10	9	11	4	5	7	6	1	7	
F	emales.	77	8	7	8	12	7	6	4	3	7	7	6	2	
[T	otal	149	7	11	12	18	11	11	9	16	12	14	12	16	
20 M	ales	75	4	7	5	11	6	3	4	9	8	8	5	5	
F	emales .	74	3	4	7	7	5	8	5	7	4	6	7	11	
[T	otal	144	13	10	10	12	11	13	10	16	9	14	12	14	
21 M	ales	66	4	5	5	6	8	8	4	8	2	5	3	8	
(F	emales	78	9	5	5	6	3	5	6	8	7	9	9	6	
f <sup>T</sup>	otal	189	8	5	20	18	24	19	14	13	17	19	13	19	
22 M	lales	87	6	3	9	5	8	8	6	7	10	10	7	8	
20	emales.	102	2	2	11	13	16	11	8	6	7	9	6	11	
T	otal	201	10	15	20	10	18	19	13	16	21	15	23	19	2
23 M	ales	103	5	6	10	8	13	8	U	6	9	9	12	9	2
(F	emales	98	5	9	10	2	5	11	7	10	12	6	11	10	
(T	otal	175	14	18	17	16	18	13	14	15	13	14	9	14	
100	ales	75	3	10	7	4	10	9	6	6	5	6	5	4	
(F	emales .	100	11	8	10	12	8	4	8	9	8	8	4	10.	

# DEATHS—BY AGES, BY SEX, BY MONTHS.

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

AGES		Year,					Мом	тна,	1883.						
YEARS.	SEX.	1883.	Jan.	Feb.	Mar.	Åpr.	May.	June.	July.	Aug.	Sept.	Oct	Nov.	Dec.	Unk.
	Total	134	7	4	9	12	15	14	11	10	18	9	6	19	
<b>5</b> .	Males	65	1	2	3	6	5	7	6	6	10	4	4	11	
1	Females	69	6	2	6	6	10	7	5	4	8	5	2	8	
	Total	166	10	9	24	14	12	11	11	9	12	22	16	16	
6	Males	77	4	4.	13	8	8	6	4	4	4	6	11	10	
	Females	89	6	5	11	6	9	5	7	5	8	16	5	6	
	Total	131	12	2	15	9	12	16	8	7	12	14	9	14	
7	Males	61	6	1	9	2	4	8	5	4	5	7	4	5	
	Females	70	6	1	6	7	8	8	3	3	7	7	5	9	
	Total	160	5	14	12	13	16	17	14	11	12	15	7	23	1
8	Males	81	1	8	7	8	10	10	7	6	7	4	4	9	
	Females	79	4	6	5	5	6	7	7	5	5	11	3	14	13
1	Total	136	7	6	6	8	11	8	15	16	15	15	17	12	
9	Males	61	1	2	8	2	6	3	3	11	8	5	14	3	
	Females	75	6	4	8	6	5	5	12	5	7	10	3	9	
	Total	118	7	11	5	5	16	10	10	7	16	10	7	13	
30	Males	62	4	7	2	2	8	6	3	5	11	5	3	5	1
1	Females	56	8	4	3	8	8	4	7	2	5	5	4	8	
1	Total	83	8	6	5	8	4	6	6	5	12	4	14	10	
31	Males	88	1	2	2	2	8	4	3	2	6		7	6	
	Females .	45	2	4	8	6	1	2	3	3	6	4	7	4	
	Total	156	13	10	7	12	13	9	17	16	12	10	13	23	
<b>3</b> 2	Males	64	4	8	4	2	5	2	8	9	7	3	5	12	
	Females_	92	9	7	8	10	8	7	9	7	5	7	8	11	1
	Total	102	4	8	13	8	5	12	7	12	6	9	7	10	
33	Males	46	8	8	9	8	1	3	ı	6	4	5	3	5	
	Females.	56	1	5	4	5	4	9	6	6	2	4	4	5	13
	Total	97	4	6	7	6	6	8	11	14	9	6	9	11	
84	Males	41	2	1	2	8	2	3	8	10	4	3	4	4	
	Females	56	2	5	5	8	4	5	8	4	5	3	5	7	
	Total	149	6	6	8	15	13	12	9	21	9	14	17	17	18
35	Males	80	5	4	5	4	4	7	7	14	5	7	8	8	
	Females	69	1	2	8	11	9	5	2	7	4	7	9	9	
_	Total	112	10	9	6	9	8	- 41	12	11	5	14	9	15	
36	Males	50	6	2	8	6	4	1	2	6	2	5	7	6	
	Females	62	4	7	3	3	4	3	10	5	3	9	2	9	

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

AGES		Year.					Mon	THS,	1888.						
YEARS.	SEX.	1883.	Jan.	Feb.	Mar.	Apr,	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	108	7	5	14	10	9	10	7	11	8	12	8	7	
7	   Males	50	4	4	4	5	2	1	4	5	5	9	4	3	
	Females.	58	3	1	10	5	7	9	3	6	3	3	4	4	
	Total	122	6	9	12	13	14	8	11	6	7	14	10	10	1
8	Males	46	3	1	3	7	3	2	5	2	3	6	7	3	1
	Females_	76	3	8	.9	6	11	4	G	4	4	8	3	7	
	Total	111	7	4	11	12	13	5	8	11	7	12	13	8	
9	Males	45	4	1	5	3	7	2	4	3		7	4	5	ļ.,
	Females_	66	3	3	6	9	6	3	4	8	7	5	9	3	
	Total	181	8	11	9	10	12	7	10	7	13	15	13	13	1
0	Males	66	4	4	5	3	4	4	4	3	8	8	11	6	1
	Females	65	4	7	4	7	8	3	6	4	5	7	2	7	1
	Total	78	5	8	5	7	3	5	7	2	8	4	7	12	١
1	Males	42	3	4	3	4	2	2	2	2	4	1	5	10	
	Females	31	2	4	2	3	1	3	5		4	3	2	2	
	Total	191	10	7	10	9	10	13	12	9	10	7	9	15	
2	Males	60	5	2	5	4	5	4	3	6	8	4	2	12	
	Females	61	5	5	5	5	5	9	9	3	2	3	7	3	ļ
	Total	85	3	4	5	11	10	5	11	5	12	4	6	9	ļ
3	Males	48	1	2	4	7	8	2	5	1	4	3	1	5	
	Females	42	2	2	1	4	2	3	6	4	8	1	5	4	
	Total	89	6	4	10	6	6	7	7	5	11	9	8	10	
4	Males	48	3	3	4	2	3	5	5	2	8	4	4	5	
	Females	41	3	1	6	4	3	2	2	3	3	5	4	5	
	Total	114	7	12	8	6	15	8	- 9	6	10	15	8	-8	
5	Males	67	4	5	5	3	12	3	3	4	7	8	6	5	
	Females	47	3	7	3	3	3	5	6	2	3	7	2	3	
	Total	91	4	8	10	8	6	9	4	6	14	7	11	4	
6	Males	43	3	3	5	4	2	4	1	2	9	3	6	1	
	(Females	48	1	5	5	4	4	5	3	4	5	4	5	3	ļ
	Total	91	12	4	7	10	6	2	13	3	8	8	8	10	
7	Males	42	5	1	3	7	3		5	1	6	4	4	3	
	[Females	49	7	3	4	3	3	2	8	2	2	4	4	7	
	Total	102	3	8	7	12	8	8	10	11	5	10	5	14	1
8	Males	61	1	6	4	7	4	6	6	7	2	8	3	7	
	Females	41	2	2	3	5	4	2	4	4	3	2	2	7	
	Total	91	7	6	9	7	8	6	3	8	7	6	6	18	
******	Males	41	4	3	2	2	4	1		5	3	4	4	.9	
	Females	50	3	3	7	5	4	5	3	3	4	2	2	9	

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

AGES		l	1				Mon	THS,	1888.						
IN YEARS.	Sex.	Year, 1883.	Jan	Feb.	Mar.	Apr.	May.	June.	July.	Ang.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	109	8	6	10	15	11	8	10	8	7	8	11	12	
<b>30</b>	Males	59	1	1	6	6	6	5	7	4	6	2	в	9	
	Females	50	2	5	4	9	5	8	3	4	1	6	5	3	
1	Total	72	2	6	8	8	8	10	5	7	5	5	8	5	
51	Males	38	2	8	8	6	2	4	2	8	1	2	5	5	
	Females	34		3	5	2	1	6	8	4	4	8	3	<b> </b>	
	Total	119	10	8	18	34	8	10	14	11	6	8	12	10	
52	Males	71	8	5	6	8	1	8	8	8	8	4	8	4	
	Females	48	2	• 3	7	6	2	2	6	3	8	4	4	6	
	Total	114	2	9	9	11	11	10	10	7	12	10	14	9	
53	Males	74	2	5	6	9	4	6	7	6	7	6	11	5	
i	Females	40		4	8	2	7	4	8	1	5	4	8	4	
	Total	106	6	4	14	7	12	9	4	6	9	13	10	12	
54	Males	53	1	1	9	4	6	7	1	1	8	7	4	9	
. (	Females	58	5	8	5	8	6	2	8	5	6	6	6	8	
	Total	100	8	5	8	15	14	10	8	6	7	5	10	9	
55	Males	60	5	2	1	8	12	7	5	4	1	2	7	5	
. 1	Females	40	8	8	2	6	2	8	8	2	6	8	8	4	
r.	Total	102	6	6	12	8	12	6	9	8	11	8	8	8	
56	Males	62	4	4	7	6	6	4	5	6	6	5	5	4	
	Females.	40	2	. 2	5	2	6	2	4	9	5	8	8	4	
57	Total	102	5	7	8	7	6	11	4	5	11	14	18	111	
i	Males			4 8	6 2	4	8	8	2	4	6	6	8	7	
	Females . Total	144	5 14	6	11	8	8	7	2	11	10	8	5	7	1
58	Males	109	10	3	4	11	7	8	10 8	6	6	1	8	5	l
	Females.	41	4	8	7	2	1	4	2	5	ľ	-	6	2	1
,	Total	87	9	5	8	6	10	6	5	9	10	7	6	11	
59	Males	51	3	2	2	5	8	8	4	8	7	3	4	7	
	Pemales.	36	6	8	1	1	2	8	1	6	8	١	2		
·	Total	126	12	9	10	14	10	7	6	8	111	14	111	14	
60	Males	74	7	6	7	9	7	2	2	2	7	9	6	10	
	Females	52	5	8	3	5	8	5	4	6	4	5	5	4	
	Total	82	5	8	12	11	10	8	8	6	7	7	8	7	
61	Males	50	2	1	9	5	7	1	2	8	6	6	5	8	
	Females	32	8	2	8	6	8	2	1	3	1	1	8	4	
	Total	148	9	14	10	17	12	12	12	19	12	7	13	11	
64	Males	88	6	8	6	9	10	6	6	9	9	5	9	5	
	Females	60	8	6	4	8	2	6	6	10	8	2	4	6	
		·												<u> </u>	

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

AGES		Year,	-				Mon	THE.	1888						
TEARS.	Sex.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	142	9	8	10	14	11	13	14	12	19	10	14	8	
63	Males	87	7	4	6	9	7	8	8	7	13	5	8	5	
	Females	55	2	4	4	5	4	5	6	5	6	5	6	3	
	Total	129	3	12	7	10	12	15	9	12	11	10	19	9	
64	Males	81	1	9	4	6	11	8	6	9	5	.5	12	5	
9	Females	48	2	3	3	4	1	7	3	3	6	5	7	4	
9	Total	150	15	9	11	13	8	14	15	8	14	16	12	15	
65	Males	91	5	6	6	9	5	9	8	7	8	12	7	9	-
3	Females	59	10	3	5	4	3	. 5	7	1	6	4	5	6	
	Total	127	9	13	9	12	15	4	T	9	13	7	12	17	
66	Males	70	6	7	4	6	5	3	4	5	9	2	7	12	
	Females_	57	3	6	5	6	10	1	3	4	4	5	5	5	
4	Total	123	2	7	11	15	11	8	8	7	13	14	15	12	
67	Males	72	1	4	7	11	3	5	5	4	8	10	7	7	
	Females	51	1	3	4	4	8	3	3	3	5	4	8	5	
0	Total	126	8	7	19	9	10	9	16	6	16	7	5	21	
68	Males	65	4	5	2	7	4	2	9	5	8	5	3	11	
	Females.	61	4	2	10	2	6	7	7	1	8	2	2	10	
	Total	101	7	8	3	8	12	3	4	9	10	13	n	12	1
69	Males	61	.5	4	3	1	5	3	2	6	9	8	7	8	
3	Females.	40	2	4		7	7		+ 2	3	1	5	4	4	
1	Total	145	7	11	16	10	11	11	13	8	14	17	12	15	
70	Males	84	6	6	12	6	7	7	6	3	6	8	7	10	
	Females	61	1	5	4	4	4	4	7	5	8	9	5	5	
	Total	114	6	10	19	13	5	7	10	13	10	9	11	8	
71	Males	60	3	2	6	7	2	2	8	9	5	3	9	4	
	Females	54	3	8	6	6	3	5	2	4	5	6	2	4	
	Total	154	14	9	16	14	14	8	11	12	10	16	11	19	
72	Males	92	7	6	7	7	7	6	6	5	8	15	6	12	
	Females.	62	7	3	9	7	7	2	5	7	2	1	5	7	
	Total	137	11	13	10	9	9	11	11	10	15	8	19	11	
73	Males	86	8	6	7	6	6	7	5	5	8	5	17	6	
	Females .	51	3	7	3	3	3	4	6	5	7	3	2	5	
	Total	121	9	7	9	14	4	10	7	13	11	10	12	15	
74	Males	73	4	5	6	7	2	7	5	7	6	6	10	8	
	Females.	48	5	2	3	7	2	3	2	6	5	4	2	7	
	Total	135	7	11	16	8	7	13	18	17	11	10	10	12	
75	Males	76	6	8	5	4	1	7	8	12	6	7	5	7	
	Females	59	1	3	11	4	6	6	5	5	5	3	5	5	

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

AGES	-	Year,					Mon	тнв,	1883						
IN EARS.	SEX.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Ang.	Sept.	Oct.	Nov.	Dec.	Unk,
1	Total	126	7	9	17	11	13	8	8	8	12	6	14	13	
	Males	72	4	3	11	5	9	4	4	4	5	2	9.	12	
	Females .	54	3	6	6	6	4	4	4	4	7	4	5	1	
	Total	97	9	7	9	9	12	7	6	11	4	5	12	6	
	Males	58	4	5	5	2	7	6	3	10	2	4	8	2	
	Females.	39	5	2	4	7	5	1	3	1	2	1	4	4	
	Total	116	7	11	11	10	17	8	6	7	8	13	8	10	
	Males	76	4	7	6	5	8	6	6	6	4	12	6	6	
	Females	40	3	4	5	5	9	2		1	4	1	2	4	
	Total	94	6	8	8	5	7	6	4	8	11	5	13	13	
	Males	57	3	2	5	5	6	4	1	8	6	4	6	7	
	Females.	37	3	6	3		1	2	3		5	1	7	6	
1	Total	92	6	8	4	11	5	8	5	9	8	7	13	8	
	Males	50	3	5	1	6	2	7	1	6	5	4	7	3	
	Females	42	3	3	3	5	3	1	4	3	3	3	6	5	
	Total	76	6	3	5	10	8	2	4	6	3	9	13	6	
	Males	50	4	3	5	7	8	1	4	3	1	4	7	2	
	Females.	26	2			3		1		3	2	5	8	4	
19	Total	91	7	6	9	10	9	9	6	5	6	4	9	11	
	Males	50	6	3	5	6	5	6	3	2	4	2	7	1	
	Females	41	1	3	4	4	4	3	3	3	2	2	2	10	-
3	Total	89	6	7	5	11	6	7	7	9	5	8	6	12	
	Males	49	4	5	2	4	5	6	4	3	3	4	4	5	
-	Females	40	2	2	3	7	1	1	3	6	2	4	2	7	
7	Total	67	6	2	7	7	9	6	4	6	6	4	7	3	
	Males	42	3	1	4	4	4	6	2	5	4	3	5	1	
-	Females.	25	3	1	3	3	5		2	1	2	1	2	2	
1 19	Total	51	3		7	6	2	4	3	4	4	4	6	8	
	Males	29	2		3	5	2	2	2	4	1	3	2	3	
	Females	22	1		4	1		2	1		3	1	4	5	
-	Total	36	4	1	2	4	1	2	5	2	2	4	3	6	
	Males	27	4	1	1	4	1	1	4	1	1	4	1	4	
	Females	9			1			1	1	1	1		2	2	
1	Total	34	2	4	2	6	4	2	1	2	3	4	1	3	
	Males	21	1	4	2	5	1	2		1	1	2		2	
	Females	13	1			1	3		1	1	2	2	1	1	
-	Total	36	5	3	1	5	8	3	3	4	1	3	3	2	
	Males	19	3	1	1	3	1	2	1	2		2	1	2	
	Females	17	2	2		2	2	1	2	2	1	1	2		

## VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

AGES	1	Year,					Moz	(TH8,	1888	•					
IN YEARS.	SRX.	1888.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct,	Nov.	Dec.	Unk.
	Total	24	1	2	4	1	2	1	1	1		1	4	6	
9	Males	14	1		2		2			1		1	2	5	
	Females	10		2	2	1		1	1				2	1	
	Total	19	1	2	1	1		4	1		2	3	1	3	
0	Males	12		1		1		8	1		1	2	1	2	
	Females	7	1	1	1			1			1	1		1	
	Total	14	2	1	1		3	1	1	1	1		2	1	
1	Males	6	2				1	1	1					1	
	Females	8		1	1		2			1	1		2		
	Total	14	1	1		1		2		3	1	1		4	
92	Males	7	1	1				1			1	1		2	
	Females	7				1		1		3				2	
	Total	8		1	2	1	1			1		1		1	
93	Males	4	*****	1	2	******				••••		****		1	
	Females	4			•	1	1	•		1		1			
	Total	8	1	******	1		2	1	1	****			2		
94	Males	1			1										
	(Females	7	1			*****	2	1	1				2		
	Total	11		1		3	1	3		1	1	1			
95	Males	7		1		2	1	2		1				••••	
	[Females	4				1		1			1	1			
	Total	11		2				2			2		1	4	
96	Males	6	*****					1			1		1	3	
	[Females	5		2				1			1			1	
97	Males	8		1		1						1			
	Total	2								2					
98	Males	1								1		****			
	[Females	1				•••••			*****	1					
99	Females	1	*****						,			1			
	Total	4	1					1		1				1	
100	Males	2	1				*****			1					
	Females.	2						1						1	
101	Males	. 1												1	
102	Females_	. 1				1									
	Total	4		1	•••••	2		1							
108	Males	. 1				1									
	Females.	. 3		1		1		1							

AGES	ł	Year,					Mon	тнв,	1883						
YEARS.	SEX.	1883.	Jan.	Feb.	Mar.	Apr.	May.	June,	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
108	.Females	1											1		
	Total	295	13	22	20	24	29	16	40	25	22	26	24	20	14
W-1	Males	165	6	12	10	14	15	11	25	13	14	13	10	13	9
Unknown_	Females	126	6	10	10	10	14	5	13	11	8	13	14	7	5
	Unknown	4	1						2	1					

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

## INFANT MORTALITY.

More still-births were returned for the year 1883 than for any previous year since the registration in this State, corresponding to the increased number of births, so that the proportion of still-born children to all children born was not as great in 1883 as it has been in some previous years. In 1883, the per cent of still-births to total deaths (5.23) was greater than the average for ten years 1873-1882.

TABLE 53.—The Relation of Still-births to all Deaths returned for the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882, Corrected by means of the Relurns of Births.

	TOTA	L DEATHS A	ND STILL B	IRTHS.
	1881.	1882.	1988.	Average for 10 Years, 1878-1882,
All deaths	19,288	16,495	16,906	14,318
Number of still-births	691	792	884	657
Per Cent of Still-births to total deaths	8.59	4.88	5.23	4.59

TABLE 54.—Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1883; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were

-		-		-	-	. 1								
3	ALL AGED UNDER 1 YEAR,	Total	231	263	336	317	291	279	419	552	470	320	294	360
	ALL A	Sex,	146 85	146	184	192	164	160	250	285	199	180	156	210
NTHS.	RAR.	Total.	105	100	110	188	8	54	52	94	42	18	9	
DEATHS BY MONTHS	OF THOSE BORS IN PREVIOUS YEAR.	Sex.	17.	45	61	34.	48	223	83	50	222	7*	00 00	1
THE	Or Pa							7881						
DEA	EN IN	Total.	126	154	956	232	956	995	347	458	428	311	288	360
	VEAR OF DEATH.	Sex.	. 75	22.83	123	141	192	129	212	245	248	175	153	910
	N. Y.							.83,	ST ST					
EACH PREVI	.11	Yes						*68	81					
NUMBER BORN IN EACH MONTH OF YEAR PREVI- OUR TO YEAR OF DEATH.	Total.			00	11	24	42	52	24	90	107	1113	126	134
Монти в Монти о Устато У	No. of	Sex.	11	10 0N	00 00	48	252	58	88	88	67	25	ES	889
	=		909	80 CS	F-10	91	99	44	00	122	10	1-01	00.00	10
MON	10.		101	4-	41-	910	03 03	∞+	99	42	139	F-03	7	00 10
KIN	0		EG 50	6.7	0100	-0	00 00	400	9	10	4-	00 H	05 05	010
н үе	00		00 00	610	64	F-80	#4	410	60 00	14	129	7 6	624	91
TRAC	7.		94	6004	1-9	1-01	20-	94	10	99	170	00 00	1010	-
KD A	9		240	49	10	-1-1	00 01	YO 00	8 23	118	25	m m	41-	0.0
IO DI	10	;	1-4	04	00-4	60-	410	10.00	120	16 23	911	6 50	104	133
EN W.	4		20.03	0010	10	0010	00 4s	1-8	113	25.25	811	0.0	010	77
ILDR		5	00 00	1-10	7 8	00 00	-10	801	12	88	12	10	00	
NUMBER OF CHILDREN WHO DIED AT RACH AGE IN MONTHS.		i	104	9	88	13	0010	t-00	19	21 19	14	==	00	200
BER	-		ध्य	120	252	22	22	19	31	31	19	13	15	112
NON	7		75	73	888	98	111	883	110	100	121	83	35	118
Mostin	No. of	Sex.	169	175	178	158	171	981	191	168	156	115	105	118
SER BORN IN EACH MONTH OF YEAR OF DEATH.	N. N. N. N. N. N. N. N. N. N. N. N. N. N		Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males
NUMBER BORN OF YEAR	Total.		288	315	344	338	322	309	324	293	276	203	192	182
NUN		Yea						3.	sst		,			
	rths	ď.		1	11		1				er		3t	1
Months in	which Births and Deaths	Occurred	January	February	March	April	May	June	July	August	September	October	November	Deember

					4,141
				2,363	
			160		
I	10	448 312	-		
	3,381				
1,466					
			760		1
11		448 312	1		
90	19	553	131	88	146
• 0	10	23	110	85	120
-0	16	83	103	67	119
188	150	84	103	87	154
88	22	32	8	22	142
313	118	28	2	104	188
628	140	181	9	80	180
-18	129	89	3	58	504
100	216	22	88	138	252
107	252	33	8	150	280
148	356	SI co	16	221 151	372
835	1975			1140	1975
1,466	3,381		760		4,141
Females	Totals	Males	Totals	Males	Totals
5,351	6,762				
.58	81	728	81	der	
Or those Born in	Year of Death.	Of those Born in	Previous Year.	All Aged un	One Year
	.83	oA YE	SUL	DEV	

. Excluding 8 males and 9 females, month of death unknown, and 80 deaths of persons of unknown sex,-35 in all.

TABLE 55.—Of the Children born in 1882, the Number who Died during the Year 1882; the Number who Died during the Year 1883 under One Year of Age; the Total Number who Died under One Year of Age; and the Per Cent of Decedents aged under One Year to the Children Born in 1882, according to the Returns.

			BORN 1	BORN IN 1882.			M	MALES BORN IN 1882.	1 IN 18	35	-31	FE	FEMALES BORN IN 1882.	DRN IN 1	882.
MONTHS OF BIRTHS.	Births in 1882, as Returned.	Died during the Year 1882.	Died Aged under 1 Year during the Year 1883.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 to Births.	Males Males 1882, as Returned.	Died during the Year 1882.	Died Aged under 1 Year during the Year 1883.	Total Died Aged under 1 Year.	Per Cent of Deaths under I to Births.	Births of Females 1882, as Returned.	Died during the Year 1882.	Died Aged under 1 Year during the Year 1883.	Total Died Aged under 1 Year.	Per Cent of Deaths under 1 Year to Births.
Total	- 36,985	8,249	760	4,009	10.81	19,166	1,830	448	9,278	11.89	17,763	1,419	315	1,731	9.74
January	2,486	585	-	285	11.46	1,307	175		175	13.39	1,176	110		110	9.35
February	2,536	329	00	337	13.29	1,305	198	9	204	15.63	1,998	131	G3	133	10.80
March	3,004	315	11	326	10.85	1,565	166	90	174	11.12	1,437	149	90	152	10.58
April	3,059	340	75	384	11.90	1,598	181	14	193	12.20	1,456	150	10	169	11.61
May	3,031	304	45	346	11.42	1,553	159	25	181	11.85	1,473	145	17	163	11.00
Jane	9,733	970	000	355	11.78	1,380	152	56	178	12.90	1,350	118	96	144	10.67
July	3,100	286	19	340	10.97	1,622	164	350	196	12,08	1,473	192	31	144	9.78
August	3,521	278	06	368	10.45	1,823	156	20	206	11.30	1,694	192	40	162	9.56
September	3,444	223	107	330	89'6	1,814	139	19	206	11.36	1,626	78	40	194	7.63
October	3,379	310	113	355	9.58	1,756	127	65	180	10.76	1,619	88	20	133	8.21
November	3,215	181	136	200	9 62	1,648	95	73	168	10.19	1,556	88	53	139	8.93
December	3,477	855	134	362	10.41	1.795	118	58	203	11.31	1.675	110	07	150	0 40

. Exceeding 41 in unknown month, 13 males, 24 females, and 4 unknown sex,

## RELATIONS OF DEATHS OF CHILDREN TO BIRTHS.

The large number of deaths among children under one year of age each year makes the subject of infant mortality one of very great interest. The following tables have been planned to throw some light upon this important subject, and to show the influence of season upon the lives of young children.

Table 55 shows, by sex, the number of children born in each month of the year 1882, and the number of these that died before the age of one year. As the still-births are included both in the returns of births and deaths they do not vitiate the showing nor destroy the relation. Of the 36,985 children who were born in 1882, 4,009 or 10.84 per cent of them died before the age of one year; that is, about 11 in every hundred, or 108 in every thousand of the children born in Michigan in 1882 died before their first birthday. In a series of ten years, 1873–1882, the average per cent of deaths of children under one year of age to births was 10.63, the lowest being 9.41 in 1879, and the highest 12.52 in 1882.

In 1883, the birth-month which had the largest per cent of deaths under one year to births was February, and that showing the least was October.

It appears also from the average for ten years, 1873-1882, that the greatest danger of death before the age of one year was to children in the first months of the year, and the least danger was to children born in the latter part of the year. Of the children born in 1882 who died aged under one year, the pro-

portion is greater among males than among females.

The first column of Table 56 shows, for the year and for each month of the year 1882, the number of children born who died under one year of age. This table differs from the preceding one, in that it shows the distribution throughout the two years 1882 and 1883 of these children, while Table 55 shows the aggregate number only without regard to the months in which they died. For instance, both tables show that 285 children were born in January, 1882, who died under one year of age; but Table 56 shows, further, that 112 of these 285 children died in January, 20 in February, 16 in March, 11 in April, 15 in May, etc., and thus are shown the months of death of all the children born in 1882, who died under one year. The first diagonal column shows, that of the children in each month of 1882 who died under one year of age, a large proportion of them died during the month of birth. It may also be seen that of the 4,009 children born in 1882, who died under one year, 1,830 died in the month of birth, 339 lived to the age of one month, 269 lived to the age of two months, etc.

FABLE 56.—The Months of Births and of Deaths of Children Born in 1882 who died under One Year of Age.

ior today day din din	turned. Per Cen Children Died ages der 1 mo to all C	082	86 4.51	5.17	66°+	4.71	4.93	33 5.01	3,100 5.00	5.06	3,444	4 65	3,215 4.67	6.56	78
Re-	Birthe 1882, as	96,	2,486	2,636	3,00	3,008	3,081	2,733		3,521		3,379		8,477	
Tab	Per Cent Aged un I month		39.30	38.87	16.01	39.56	43.06	42.55	45.59	48.87	42.12	48.76	98.88	62.98	45.66
	Dec.	1	1		1	1	1	- 1	1	1	1	i	1	/	187
	'AON	9	1	1	1	1	1	1	1	1	1		1	9	126
	.150	188	1	i		1	-	1	1	1	1	/	9/	2	81 0
1883.	Sept.	2	1	1	i	1	÷	1	1	1	/	3/	3/	2	365
	'Sny	16		i	i	1	1	1		/	3/	3/	8/	2	160
DEATES,	July.	52		1	1	1	1	1	/	3/	2/	97/	17/	2	207
40	.aung	13		1	1		1	/	*/	27	1	0/	9/	0	181
MONTHS	May.	8	1	1	1		1	2	1	=/	2	1	9/	6	216
Mo	April.	88	1	1	i	/	7	=/	2	3/	0/	=/	1-/	13	22.
	лам.	110			1	3/	=/	0/	9	2/	2/	2	12/	13	900
	Feb.	100	1	1	9/	9/	27	7	2/	9/	2	12/	02/	2	622
	Jan.	105	1	0/	9/	0/	=	2/	13	7	10/	13	10	12	1830
	Dec.	395	9/	0/	2/	=/	01	=	3	81	15	8	(B)	81	
	NOV	183	0/	0/	2/	0/	23/	9	22	2	81	18	18	1	1
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	May.	244	12	8	2	18	140	1	1	1		1	1	1	10
MONTHS	April.	197	=	13	1	1	1	-	1	1		1			
	Mar.	188	97	8	8	1	1	-	1	1	- 1			1	1
	Feb.	191	8	12	1		1		1	1		1	1	1	
	Jan	112	21/	1	1		1		1	1	1	1	1	11	1
191	Born in Year of	6	588	. 337	326	364	346	355	340	368	330	335	307	362	4,009
HS	DIRTHS, 1882.	Born in 1882, died }	January	February		April					Reptember	October	November	December	No. of Double, Ages in
ž	BI	Born in	Janus	Febru	March	April	May.	June	July.	Angust.	Septe	Octol	Nove	Dece	Deaths at

That is, per cent of children who died during month of birth to total born in 1889 who died aged under one year.
 Excluding 41 in unknown month,—12 males, & 46 females, and 46 femines mes.
 That is, of the children born in 1889, the per cent who died during month of birth,—according to the returns of births and deaths. It should be borne in make that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

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				-	Pointles	Unknown	Total	Males	Females.	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Malcs	Females.	Total	Males	Fomales	Total	Males	Females
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# DEATHS OF CENTENARIANS.

The number of contensions who were reported to have died in 1883 may be seen in Table 58, which gives the recorded to concentring these persons, of whom 4 were males and 7 were females. Two of these individuals were born in Michigan. convey, in some of these cases, some doubt may reasonably exist as to the accuracy of the ages returned.

TABLE 38.— Earlibiling certain Details concerning Persons returned as having died aged One Hundred Years and over during the Year 1883.

WANTER			Married,		-	AGE.			PLACE OF	PLACE OF DEATH.	1881.		Canse
Spirite.	900	Color.	Widowed.	Birthplace.	Z.osta.	Months	Daye	Occupation.	Town.	County.	Month.	Day.	of Death.
	Femile.	White.	Single	denie. White. Single Mann.	300	*	18	Teacher	Sandstone Jackson		February	10	Gangren
- 1000	Princio.	Tad.	Married	Printies, Ind Married Michigan	300	****		Unemployed Hayes	5.	Charlevolx April	April	11	Old age.
	Male	White.	Unk.	Male White, Cak, Vermont	103	****	_	Pauper	Pauper Co. House Ottawa April	Ottawa	April	16	Old age.
Total and an annual or	Francis.	White.	Widow	Family, White, Widow frehand	300	****	2000	Boarder	100 Boarder Austin Sanilac June	Sanilac	June	63	Old age.
	Female.	White.	Widow	Familia, White, Widow Holland	300	103	***	Housek'p'r.	Housek'p'r., Allegan Allegan April	Allegan	April	11	Old age.
-	Female.	Black .	Widow	Frankle, Black . Widow New Tork	108	108 801		Unknown	Battle Creek Calhoun	Calhoun	November	8	25 Ulcers and
the same	Male ser White.	White.	Widower	Widower. Conn	101	00	-	Surveyor	Surveyor Amboy	Hillsdale	December	27	Old age.
Mile Manager	Malbarer	White.		Widower Ireland	300	i	1	Laborer	Dover Lenawee	Lenawee	February	6	Old age.
Margaret Powell,	Female.	White.		Widow New York	108	8	16	Unknown	15 Unknown Morenci Lenawee June	Lenawee	June	15	old age.
KIDACHER DAVIS	Female.	White.	Married	Female., White, Married Michigan	300	10	20	Farmer	Farmer Farmington. Oakland	Oakland	December	32	Old age.
B. Berne.	Mate	White.	Single	Mais White, Single Unknown	300	-	:	Pauper	Pauper Co. House August	Monroe	August	20	Old age.

## DELINQUENT TOWNSHIPS.

Each year there are a number of townships in the State whose supervisors make no returns of deaths. It is greatly to be regretted that so many of the supervisors neglect the important duty of making proper returns. Every supervisor and assessor in the State should make an official return to his county clerk whether or not any births or deaths occurred within his jurisdiction.

TABLE 59.—Counties and Townships from which no Returns of Deaths for 1883 were received by this Department, showing Population in 1880.

	Townships from			Popt	ULATION	JUNE 1,	1880.		-
COUNTIES.	which no Returns of Deaths		Total.		Co	lor or Ra	ce.	Nati	vity.
000.1111	for 1883 were Received.	Total.	Males.	Fe- males.	Total White.	Total Black and Mu- latto.	Total Indian.	Total Native.	Total Foreign.
Total		3,943	2,432	1,511	3,701	22	220	2,475	620
Crawford	Ball	66	38	28	66				
Delta	Winona	78	43	35	78				
Markhan	( Hendricks	434	294	140	409		25		
Mackinac	Holmes	910	482	428	762	13	135	747	163
Montealm	Home	1,982	1,276	706	1,981	1		1,587	415
Oceana	Otto	148	94	54	140	8		127	21
Schooleraft	Munising	270	174	96	210		60	*******	
Isle Royal	All townships	55	31	24	55			34	21

TABLE 61.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

					l.			I							,		1			1				l	I	I		I	ľ	١	ŀ
COUNTIES.	SEX.	TEAR, 1883.	January.	Pebruary.	March.	April.	May.	June	.tink	August.	September.	October.	November.	Десешрет.	Unknown.	Under 5.	2 10 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	.66 ot 08	35 to 40.	40 to 45.	45 to 50.	. 50 to 55.	22 to 60.	'99 or 09 I	.07 os 68 I	1 70 to 75.	75 to 80,   80 and over
	[Total	354	22	27	88	155	22	36	22	43	88	32	65	25	01	87	14	7	12	139	91 9	3 17	13	100	13	15	50	10 15	81	63	17 14
Jackson	Males	175	17	13	14	14	90	15	=	81	10	20	13	16	60	40	6	Q1	20		8		8 10		6	90	00	9	8 11	7	133
	Pemales.	179	10	П	R	<u> </u>	16	Ξ	14	2	18	12	9	=	1	47	10	10	7	H	1 9		9 13	69	+	7	27	13 7	1	00	*
,	(Total	354	350	8	B	38	26	19	36	53	27	23	H	139	4	93	98	12	22	15	20		08	-	67	90	O1	18 20	8	19	18
- 0088	Males	183	17	18	16	23	16	11	14	16	36	16	Ξ	-	69	48	13	20	00		8 11		9		9	-	49	11 12	9	=	=
	Pemales.	171	15	21	13	13	10	00	83	17	11	7	14	32	GS.	45	13	7	13		4		6 14		9	*	4	10	8 10	10	-
	Total	36	20	O,	O.S	00	00	01	01	4	64	G4	. :	-	1	10	7	i	60	-	_	1	1		1 29	1	+	-	61	1	н
	Males	13	04	1	G)		6.5	i	-	64	61	64	٠	1	1	9	-	1	-	1	1	- 1	1		09	-	+	+	O.	1	- 1
	Pomnies.	11	-	0,3	-1	1	-	01	-	01	1	1	71	-	1	9	1	1	04		-	1	1	1	+	-	1	-	1	1	-
	Total	849	54	57	70		71	629	98	90	64	65	63	81	60	315	48	30	37	47	7 37	34	34		30	34	12	27 31	98	8	32 25
	Males	445	30	8	32	38	39	22	20	51	Ģ	83	38	55	69	183	21	19	17	20	19	14	4 12		16	13	71	21 14	12	14	15 14
1	Females.	403	12	81	88	40	35	88	43	8	83	30	8	4	-	131	27	7	8	83	3 18	30	81		14	11	1	6 17	18	10	11 11
	Unknown	-	1	1	1	-	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1		+	+	+	- 1	1	+
1	[ Total	19	7	*	9	9	*	7	*	63	*	00	9	45	1	ន	65	24			*		9		-	50	+	+	9	01	+
Kewcennw Males	Males	41	40	C.	10	5	1	60	01	60	*	*	00	*	1	20	69	-	1		C.S		01	_	-	63	÷	+	*	=	+
	[Females.	20	G.F	Q8	-	7	00	н	64	1	:	*	80	-	-	6	1	-	-	1	01	1	64	1	-	-	+	+	C1	H	Ť
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	(Females.	12		69		01	01	-	24	1	61						1		_	97	01	_		-	_	_	_	-	7	-	-

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	stal	8	7	O.	6	60								-	1	88	13	4	20	10	20	69	- 10	09	H		04	-	-	00	-
	Males	43	60	1	2	00	9	60	0	13	00	9	*		-:	17	9	*	60	+	-	-	1	69	1	:	69	1	7	01	-
	Females.	88	1	C4											1	21		i	:	-	04	-		-	п	+	÷	-	14	-	61
	Total	380	85	30	34	32									00	87	16	23	12	19	12	14	11	7	7	12	10	21	85	63	31 8
Lenawee   Males	Males	189	23											31	-	45	6	10	*	15	00	00	1	4	10	7	8	12 10	20	22	30
	Females	191	10	15			_								Ç1	45	-1	-	00	-	-	9	10	1-	9	90	=	11	23	音	13
	Total	134			=	17								13	1	19	1-	4	-	=	10	-	10	01	-	9	_	12	13	10	14
Livingston.   Males	Males	11				-	_								-1	17	10	G.S.	01	9	-	1	01		-	-	-	2 7	12	9	00
	Females.	57				10									- 1	01	10,	61	10	10	*	1	00	69	1	01	03	20	1-	4	9
	Total	7	1	1	1	1				-				-	÷	1	09	1	-	i	i	-	:	-	-	+	Ť	-	-		+
Mackinac   Males	Males	10	1	1					-				1	-	İ	1	-	1	-	i	i	:	.:	-	н	+	Ť	-	1	1	+
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Macomb   Males	Males	174	7				60								-	29	10	00	10	9	O4	60	4	-	7	10	1-	9	=	6	10
	Females.	160											1	16	H	40	81	10	4	=	15	9	-	10	*	00	9	4	61	1	80
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	Males	118	90							10				22	1	2	00	-	-	64	00	61	*	64	*	1	00	5	1	60	4
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TABLE 61.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

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233	117	116	364	190	129	15	133	74	53	98	37	49	23	42	23	7.4	9	35	5	13	00	226	113	113	H	00	9
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	Branch			41.04	15	-		Cass			Charlevoix .   Males			Cheboygan .   Males			Chippewa			Olare			Clinton			Crawford	

TABLE 61.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

October.	March.   March.   March.   May.   M	35 to 40   10 to 15	Narch   Narc	### Pebruary.   Anreh.   Anreh.     Anreh.   A	Abril.	Abril.   Abril.
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25 to 30.	25 to 30.	25 to 30. 30 to 35. 30 to 40.	30 to 30, 22 to 30, 21 co 10, 22 to 30, 22 co 40, 22 co 40, 22 co 40, 23 co 40, 24 co 30, 25 co 40, 25 co 30, 25 co 40, 25 co 30, 25 co 40, 25 co 30, 25 co 40, 25 co 30, 25 co 40, 25 co 30, 25 co	25 to 30.  30 to 35.  30 to 40.  30 to 40.  30 to 40.  30 to 50.  30 to 60.	35 to 30. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25	25 01 02 0.
25 to 30.	25 to 30. 25 to 40. 35 to 40. 45. 40 to 45.	25 to 30. 25 to 30. 25 to 30. 25. 25 to 40. 25. 25 to 40. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25	25 to 30. 25 to 30. 21 25 to 30. 22 25 to 30. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25	.08 o3 02	35 to 30. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25	35 to 30. (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
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Yearslea         127         7         128         7         6         125         7         128         7         6         125         13         12         7         6         13         10         6         13         12         7         6         13         13         14         16         13         14         16         13         14         16         13         14         16         13         14         16         13         14         16         13         14         16         16         18         19         28         33         18         24         27         14         16         16         16         16         16         16         16         16         16         16         16         18         19         28         33         16         26         26         36<	ttilladele.	Males	140			13	14	11	13	10	п	61	10	10	11	83	10	4	4	<b>GP</b>	7	00	-	00			엄	9	_	=	1	
Total   272   9   12   21   18   25   18   19   28   33   18   24   27   144   16   10   8   13   10   10   10   10   10   10   10	Tillisusie	Females	127			00	21	13	1	9	13	13	10	9	12	139	69	60	6	*	1-	00	9	9	10	80		0	_		6	
Wales         133         6         4         12         13         13         13         13         13         13         13         13         14         15         17         14         16         10         8         13         10         13         14         16         10         13         15         13         15         11         15         10         11         13         17         11         13         13         13         13         13         13         13         13         14         16         10         13         13         14         16         16         13         15         14         16         14         16         14         16         14         16         16         14         16         14         16         14         16         14         16	٠	Unknown	1		_	1	1	1	i	i	1	1	+	1		1	1	-		+	-1	1	1	-!	3	_	_	- 1				
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Total         172         15         16         15         14         17         11         17         19         14         16         84         10         10         7         8         7         6           Males         95         4         5         12         18         14         17         11         17         19         14         16         8         9         6         10         47         5         6         5         3         6         10         47         5         6         5         3         9         6         10         47         5         6         5         3         3         2         2         3         3         29         3         3         29         3         3         3         4         3         6         3         4         4         3         9         3         4         3         4         3         4         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         4         3         3         3         3	Houghton.	~	118			6	10	6	9	00	13	Si	9	13	12	73	00	00	**	10	20	7	01	00	69	H	<u> </u>	9			61	
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Males         159         31         32         34         23         35         29         39         29         34         87         20         87         20         87         20         87         20         87         30         13         13         14         16         14         14         16         14         14         16         14         14         16         14         14         16         14         14         16         14         14         16         14         14         16         16         14         24         36         16 <th< th=""><th></th><th>Females.</th><th>11</th><th></th><th></th><th>90</th><th>7</th><th>10</th><th>9</th><th>10</th><th>60</th><th>6</th><th>30</th><th>00</th><th>9</th><th>37</th><th>10</th><th>4</th><th>90</th><th>9</th><th>64</th><th>00</th><th>4</th><th></th><th></th><th>_</th><th>_</th><th>03</th><th>_</th><th></th><th></th><th></th></th<>		Females.	11			90	7	10	9	10	60	6	30	00	9	37	10	4	90	9	64	00	4			_	_	03	_			
Malos         159         8         15         17         10         15         14         16         14         16         14         16         14         16         14         16         16         14         19         29         15         11         15         16         15         14         29         17         16         15         14         29         11         21         15         15         15         14         29         17         21         15         14         29         17         21         15         11         21         21         15         15         15         15         17         21         15         16         25         17         21         15         17         21         16         25         21         20         21         20         21         20         21         20         21         20         21         20         21         20         21         20         21         20         21         20         21         20         21         20         20         20         21         20         20         20         20         20         20         20		Total	303			55	24	23	21	23	83	88	30	8	75	87	50	90	10	10	의	8	12					18	19			
Females	Ingham	Males	159			17	10	11	13	11	7	16	11	14	10	48	6	10	O1	20	10	1-	00					-	_		6	
Total         999         16         18         19         36         17         31         17         21         19         72         18         17         15         11         71         15         11         71         15         11         71         15         11         71         15         11         71         15         11         71         15         11         71 <th< th=""><th></th><th>Females.</th><th>144</th><th></th><th></th><th>12</th><th>77</th><th>15</th><th>00</th><th>12</th><th>=</th><th>13</th><th>19</th><th>15</th><th>14</th><th>8</th><th>=</th><th>63</th><th>00</th><th>1</th><th>1-</th><th>=</th><th>6</th><th></th><th>00</th><th>4 3</th><th>9</th><th>=</th><th>10</th><th>9</th><th>9</th><th></th></th<>		Females.	144			12	77	15	00	12	=	13	19	15	14	8	=	63	00	1	1-	=	6		00	4 3	9	=	10	9	9	
Males		Total	569			19	8	27	30	18	15	83	11	6	19	73	18	00	17	23	=	1-	00					4	_	63	18	
Females         130         5         12         10         21         13         6         15         16         8         8         11         34         8         3         10         6         7         4           Total         10         5         4         9         3         8         9         17         22         11         5         6         10         67         3         2         2         3         2         2         3         2         3         2         3         3         2         3         3         3         3         4         3         3         3         4         3         1         3         4         8         10         3         2         3         4         3         1         1         2         1         3         4         8         10         3         2         3         4         3         1         1         3         4         8         1         1         1         1         1         3         4         8         1         1         1         1         1         1         1         1         1         1 <td< th=""><th>Tonto</th><th>Males</th><th>138</th><th></th><th></th><th>6</th><th>2</th><th>14</th><th>3</th><th>00</th><th>10</th><th>16</th><th>6</th><th>13</th><th>50</th><th>37</th><th>10</th><th>10</th><th>7</th><th>6</th><th>4</th><th>00</th><th>61</th><th></th><th></th><th></th><th></th><th>10</th><th>9</th><th>_</th><th>0</th><th></th></td<>	Tonto	Males	138			6	2	14	3	00	10	16	6	13	50	37	10	10	7	6	4	00	61					10	9	_	0	
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Rales         67         4         3         7         2         5         9         12         8         3         3         6         41         2         1         2         3         4         8         10         3         2         3         4         26         1         1         2         1         3         4         8         10         3         2         3         4         2         1         1         2         2         2         2         2         2         2         2         2         2         3         4         4         3         1         1         1         1         1         1         2         3         4         4         4         3         1         3         4         4         4         3         1         3         4         4         4         3         1         3         4         4         4         3         1         3         4         4         4         3         1         3         4         4         4         4         4         4         4         4         4         4         4         4         4 <th< th=""><th></th><th>(Total</th><th>100</th><th></th><th></th><th>6</th><th>63</th><th>90</th><th>6</th><th>11</th><th>81</th><th>11</th><th>10</th><th>9</th><th>10</th><th>19</th><th>60</th><th>64</th><th>01</th><th>63</th><th>9.</th><th>61</th><th>GQ.</th><th></th><th>-</th><th>5 1</th><th>_</th><th>60</th><th>ю</th><th>-</th><th>1</th><th></th></th<>		(Total	100			6	63	90	6	11	81	11	10	9	10	19	60	64	01	63	9.	61	GQ.		-	5 1	_	60	ю	-	1	
Fomalea	Iosco	Males	67			1	01	10	ю	6	21	00	63	00	9	4	¢4	-	09	60	1	1	63	1		_	_	91	_			
Total   163 9 6 12 12 16 10 20 24 18 14 10 12   70 18 10 7 13 8 4   4   8   4   8   4   8   1   1   1   8   5   3   4   8   4   4   8   1   1   8		Females.	43			04	-	60	4	90	10	02	01	00	4	98	F	-		;	03	61	1	-		91	7	H	00		-	
Males         76         6         5         4         5         8         4         12         11         8         5         3         41         8         4         4         3         1           Pemales         86         3         1         7         7         11         2         36         12         7         6         5         9         28         10         6         3         10         7         4           Unknown         1         1         7         7         11         2         6         6         5         9         2         8         10         7         4		Total	163			15	23	16	10	8	2	18	14	10	2	70	18	10	7	13	00	4	1-	4	-	01				00	63	
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[Unknown] 1   - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	168 Delia	Females.	88				7	7	C4	36	23	10	9	10	6	88	10	9	63	10	1	4	10		-	61	4	64	09	-	-	
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TABLE 61.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1883.

							×	OMTH	, B	188						_			AG	GES	N	PERIODS	101		X 40	KAB	-	1883	8	: 1			
COUNTIES.	SEX.	YEAR, 1883.	.Yanuaty.	February.	Матећ.	April.	May.	June.	July.	August.	September.	October.	- 0	November.	December.	Unknown.	210 10	10 to 15.	10 to 20.	20 to 25.	-	25 to 30.	.08 01 08	32 to 40.	'gp 01 0p	45 to 50.	50 to 55.	22 to 60.		.60 to 65.	60 to 65.		.07 od 68 l
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Jackson	Males	175	17	13	14	14		8	12	=	83	10	8	13	16	01	9	6	Q1	10	90	-	00	10	0	90	00		8 9		=	11 14	-
	Females.	179	10	п	83	61	16		-	77	22	80	12	6	=	-	47	10	10	1+	=	6	6	15	*	7	12	13	7	_	=	8 11	-
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Kalamazoo   Males	Males	183	17	18	36	83	16	_	-	7	16	91	16	=	-	03	188	13	10	00	00	11	00	9	9	*	2	=	12	2		=	nn
	Females.	171	15	22	13	13	10		00	27	-	=	-	77	15	64	129	13	-	13	t-	6	9	14	9	*	4		20	10	_	10	5 7
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Kalkaska   Males	Males	15	01	1	01	04	64	-	-	-	63	04	01	+	Ť	:	10	-	:	+	÷	+	i	ī	64	1	1	- 1	*	64		- 1	1
	Females.	11	1	03	1	7	-		63	-	01	1	1	1	H	-	10	-		01	+	+	i	i	Ì	1	1	1	-	:	•	-:	н.
	Total	819	Z	15	70	H	L	_	65	33	06	19	123	62	81	60	815	88	30	37	13	37	34	75	30	35	21	27	33	8	8	6	9 32 25
4.07	Males	415	30	8	60	36	8	27		09	10	-	13	30	37	50	183	21	19	11	54	19	14	27	16	13	14	61	7	57		14	4 15
vent	Females.	403	24	83	88	40	55	35	7	43	68	83	30	62	#	131		15	=	20	83	18	30	21	14	5	7		6 17	88	_	12	5 17
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Keweenaw. Males	Males	41	9	01	5	10	-	_	60	64	- 63	*	4	00	*	:	02	01	-		-	Ol	01	4	-	64	1	1	:	4		-	-
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Lake	Males	11	1	-	-	-	C.	-	-	1	00	-	-	-	i	;	10	-	1	04	:	-	1	H	i	1	1	- 1	_:		_	- 1	-
	Females.	13	1	Ci		01	69		_	0	-	•	-			_	-	_	_			-	,			•			_			-	

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į	Males	121	6	œ	2	13	13	00				9	=	1 1	9	10	-	9	61	00	1-	+	03	19	C1	4		7	9	60
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	Unknown	1	1	1		1	.1			:	-	1	•	-	-	-	1	1	1		+	+	+	÷	-	1	1	÷	- 1	
	Total	85	*	64	0	00	21							-	38	13	*	200	10	60	O1	ì	69	=	- 1	63	г	11	-	61
lanaw	Leelanaw   Males	43	60	1	10	60	9							:	17	9	4	60	4		H	1	01	÷	1	01	1	-	- 1	
	Females .	88	1	C4	7	;	9							-	21	1-	1	1	-	69		1				_	-	-	-	01
	Total	380	53	30	20	25	8	53	22			33	42	20	87	16	13	21	61	15	14	H	=	=	12	19	8	32 23	31	60
Lena wee	Males	189	53	15	8	16	13							-	27	6	10	4	13	00	00	-			-	8 15	9	20 15	18	10
	Females	191	10	15	77	16	13							65	4	1-	7	00	7	-	9	10				=	=	11 21	13	*
	Total	134	10	6	11	17	6.							1 00	19	1-	+	1	=	19	-	10	01		9	90	22	19 10	14	- 1
ingston.	Livingston.   Males	77		-	10	15	ю							80	17	10	63	61	9	-	:	64	1		-	1 38		19 6	00	
	Females.	57		69	9	10	7							10	01	,01	G1	10	10	+	-	00	1	:	01	93	10	7	9	- 10
	Total	+	1	1	1	1	.;	01			Q1			1-	i	69	1	-	i	1		1	1		-	+	н	1	-1	
kinac	Mackinac   Males	9	i	i	1	1	- 1	H	1			1		-	i	-	I	-	1	1	:	:	1	H	-	+	-	+	- 1	. )
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	Females.	160	11	9	-	11	18	12	00	71	201	-		16 1	_	-	10	*	=	12	9	-	10	*	03		-3	01	00	**
	Total	198	15	6	13	17	13	83	16		133	_	11	: 00	119	18	90	-	00	10	4	1-	-	4	-	60		1	4	- 1
90	Males	118	00	4	9	11	10	22	6	9		6		13	27	00	-	г	01	60	64	*	04		:	60	5 4	:	4	
munistee	Females	79	9	2	1-	9	60	10	7	77				-	46	10	G,		9	Q1	01	00	10	1	-	1	-	:	1	-1
	Unknown	1	-		1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	i	1	+	1	1	1	1	+	1	14
	Total	18	- !	1	1	00	4	01	- 1	O1		04	60	:	6		1	7	1	1	1	1	1	н	-	+	-	4	-1	-
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COUNTIES.	SH X.	Year, 1883.	January.	February.	March.	April.		May.	June.	July.	August.	September.	October.	Моуетbет.	лесешрет.	Unknown	Under 5.	2 10 10	TO 10 Tg	12 to 20.	20 to 25.	25 to 30.	30 to 35.	32 to 40.	40 to 45.	45 to 50.	.50 to 55.	.00 of 55	,60 to 65,	100 00 00 1	'QL 03 0L I	75 to 80.	1 80 and over.
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Marquette   Malcs	Males	204	90	0	4	20	00	50	17	30	t	16	13	20	12	:	95	Ħ	01	9	18	15	90	21	9	-	_	12	*	60	01	1	-
	   Females	156	6 10		130	18	2	11	=	18	11	13	11	6	80	1	88	6	9	1-	9	7	7	10	1	70		00	-	1 00	10	4	61
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Mason	Males	9	01	90	00	+	6	20	-	1-	20	9	9	9	4	1	81	NO.	-	1		64	-	60		0.9		01	-	63	61	01	04
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	Total	173	19		16	-	6	19	17	=	20	17	10	17	17	1	28	#	10	G	25	2	10	11	_	-		-	00	10	60	4	00
Mecosta	Males	96	9 10		-	01	00	10	9	90	6	6	6	10	13	1	30	7	10	7	00	6	2	6	-	.00		2	•	60	01	60	64
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	(Total	132	69	1	12	*	11	#	-	6	23	12	71	=	13	1	76	9	00	20	-	60	7	10	10	01		03	00	-	-	1	-
Menominee .   Males	Males	77		00	01	60	12	9	10	*	9	Ξ	10	10	10	1	37	60	1	1	1	69	10	9	90	10			00	-	- 5	- 1	:
	Females.	55		-	10	-	10	90	01	Q1	9	4	4	9	60	1	88	00	60	Q1	,	-	C.	-	63		1	1		- :		. ;	-
	Total	88		-	6	01	20	00	10	7	9	13	10	7	4	1	33	00	65	6	98	00	-	9	00			69	00	69	69	01	00
Midland	Males	47		-	.09	-	50	9	50	01	*	30	*	01	64	1	11	01	н	4		-	*	*	24	-	1		00	01	-	-	-
_	Fomales.	41		00	-	60	63	69	54	Ġ\$	οR	10	9	2	64	7	16	-	64	10	69	04	00	0.5	-	79.5		63	+	-	-	-	69
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Missankee   Males	Males	20	_	-	1	-	10	01	01	:	9	01	60	H	1	OR.	119		1	61	95	1	-	60	1			_	-	1	•		1
	Females.	16		-	00	4	3	69	-	01	1	1	-	1		1	=	69	-	:		04	1	1	i		1	1		_:		- ;	
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Monroe	Males	149		8	10	15	=	7	14	=	9	18	13	=	7	:	20	-	10	30	*	01	*	*	10	-	40	10	-	0 10	6	9	00
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195	120	121	9	*	29	270	145	124	1	152	86	99	403	219	183	1	101	99	35	15	c.	9	27	17	
Total	Males	Females .	Total	Males	Females .	Total	Males	Females.	Unknown	Total	Males	Females.	Total	Males	Females.	Unknown	Total	Males	Females .	Total	Males	Females.	Total	Males	
_	Montcalm   Males			Montmorency Males			_	Muskegon			Newaygo   Males				OBKIBBO			Oceana   Males			Ogemaw   Males			Ontonagon   Males	

# 122 VITAL STATISTICS OF MICHIGAN, 1883.

	T	TABLE			- 1			Mor	Момтив, 18	Можтив, 1883.	Моктив, 1883.	Моктив, 1883.	Моитив, 1883.	Моятив, 1883.	Моитив, 1883.	Моятив, 1883.	Можтив, 1883.			Ages in	Age in	Ages in Periods of	Ages in Periods of	Адев им Ревіора от	Аств іх	Ages in Periods of	Ages in Periods of	Аск и Ренов от
COUNTIES.	Sex	YEAR, 1883.	.Tannat.	February.	March.	- 1	vald	May.		June.	June.  July.  August.	June.	June. July. August. September	Junf. July. August. September. October. Toyember.	Junc. July. August. September. Gotober. Tovember. Tovember.	June. July. August. September. Gotober. Toyember. December. Unknown.	Junc. July. August. September. Tovember. Tovember. Unknown. Under 5.	June. July. August. September. Gotober. Tovember. Tovember. Tovember. Intender 5. Toto 16.	Junc. July. August. September. Tovember. Tovember. Unknown. Under 5.	June. July. August. September. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember.	June.   July.   August.   September.   Getober.   Toyember.   Toyember.   Toyember.   Toyember.   Toto 16.   15 to 20.   15 to 20.   25 to 30.	Junc. July. August. September. Gotober. Tovember. Tovember. Tovember. Junknown. Junkno	June. July. August. September. Getober. Tovember. Tovember. Tovember. July. Ju	June. July. August. September. October. Tovemb	June. July. August. September. Getober. Toetober. Toetober. Toetober. July. Ju	June. July. August. September. October. Tovemb	June. July. August. September. Sovember. Totober. Tovember. Tovember. July. Ju	June. July. July. August. September. Gotober. Tocomber. Tocomber. Junknown.
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9	Males	11	4	10		6		4	60	6 3 8 10	8 3 8 30	4 3 8 10 8 2 4	4 3 8 10 8 2 4 7	4 3 8 10 8 2 4 7	4 3 8 10 8 2 4 7 - 34	8 2 4 7	8 2 4 7	8 2 4 7	8 2 4 7	8 2 4 7	8 2 4 7 34 1 3 4 4 4	8 2 4 7 34 1 3 4 4 4 2	8 2 4 7 34 1 3 4 4 4 2 2	8 2 4 7 34 1 3 4 4 4 2	8 2 4 7 34 1 3 4 4 4 2 2	8 2 4 7 34 1 3 4 4 4 2 2	8 2 4 7 34 1 3 4 4 4 2 2	8 2 4 7 34 1 3 4 4 4 2 2
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	Unknown	7	1	1	-	1			1	1	1	1	1	1 1 1	1	1	1 1 4	1	1	1 1 1 1 1	1	1	1	1	1	1	1	1
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Oscoda	Males	10	i	1	1			-	1 1	1 1	1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1 1 1-	1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	_
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Otsego	. Males	18	Ç4	г	-	04	-		1	1 3	1 8 4	1 8 4 1 2	1 8 4 1 2	1 8 4 1 2	1 8 4 1 2 12	1	1	1	1	1	1	1	12 1 2	1	12 1 2	12 1 2	19 1 2 2 1	12 1 2 2 1
	Females.	81	00	1	-	1	1	1	7	7	7	7 3 3	60	60	8	8	8	8 4 8	69 4 111 29	8 4 8	69 4 111 29	69 4 111 29	6 11 69 .9 .9 1 1 1	69 4 111 29	6 11 69 .9 .9 1 1 1	6 11 69 .9 .9 1 1 1	8 11 2 2 2 1 1 2	8 11 2 2 2 1 1 2
	Total	362	67	27	88	88	88	16	16 31		31 41 33	31 41	31 41 33 32	31 41 33 32 37 29	31 41 33 32 37 29 155	31 41 33 32 37 29 155 21	31 41 83 32 37 29 155 21 12	31 41 33 32 37 29 155 21 12 14	31 41 83 32 37 29 155 21 12 14 19	31 41 33 32 37 29 155 21 12 14	31 41 33 32 37 29 155 21 12 14 19 15 9	31 41 83 32 37 29 155 21 12 14 19	31 41 83 32 37 29 135 21 12 14 19 15 9 11 14	31 41 33 32 37 29 155 21 12 14 19 15 9 11 14 10	31 41 33 32 37 29 135 21 12 14 19 15 9 11 14 10 13	31 41 33 32 37 29 155 21 12 14 19 15 9 11 14 10	31 41 83 32 37 29 155 21 12 14 19 15 9 11 14 10 13 6 7 12	31 41 83 32 37 29 155 21 12 14 19 15 9 11 14 10 13 6 7
	Males	194	00	13	77	20	17		7 11 24	7	11 24	11 24 19	11 24 19 15 19	11 24 19 15 19 16	11 24 19 15 19 16	11 24 19 15 19 16 18	11 24 19 15 19 16 18 88	11 24 19 15 19 16 18 88 10 5 9	11 24 19 15 19 16 18 88	11 24 19 15 19 16 18 88 10 5 9	11 24 19 15 19 16 18 88 10 5 9	11 24 19 15 19 16 18 88 10 5 9	11 24 19 15 19 16 18 88 10 5 9	11 24 19 15 19 16 18 88 10 5 9 7 7 3 3 7 4	11 24 19 15 19 16 18 88 10 5 9 7 7 3 3 7 4 7	11 24 19 15 19 16 18 88 10 5 9 7 7 3 3 7 4	11 24 19 15 19 16 18 88 10 5 9 7 7 3 3 7 4 7 2 5 8	11 24 19 15 19 16 18 88 10 5 9 7 7 3 3 7 4 7 2 5
	Females	165	14	14	14	17		111	1 5 7		5 7 21 17	5 7 21	5 7 21 17 13	5 7 21 17 13 21	5 7 21 17 13 21 11 64	5 7 21 17 13 21 11	5 7 21 17 13 21 11 64	5 7 21 17 13 21 11 64 11 7 5	5 7 21 17 13 21 11 64 11 7 5 12	5 7 21 17 13 21 11 64 11 7 6 12 8	5 7 21 17 13 21 11 64 11 7 5 12 8 6	5 7 21 17 13 21 11 64 11 7 6 12 8	5 7 21 17 13 21 11 64 11 7 5 12 8 6 8 7	5 7 21 17 13 21 11 64 11 7 5 12 8 6	5 7 21 17 13 21 11 64 11 7 5 12 8 6 8 7	5 7 21 17 13 21 11 64 11 7 5 12 8 6 8 7 6	5 7 21 17 13 21 11 64 11 7 5 12 8 6 8 7 6 6 4	5 7 21 17 13 21 11 64 11 7 5 12 8 6 8 7 6 6 4 2
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ue Isle	Presque Isle   Males	22	20	п	*	03		!	-	4	63	4 2 1 68	2 2 1 33	1 3	1 00	1 00	1 3 2 9	1 3 2 9	1 3 2 9	1 3 2 9	1 3 2 9	1 3 2 9	1 3 2 9	1 3 2 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 2 9	1 3 2 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 2 3 2 1 9 2 2 3 2 1 9 1 1 1 1	1 3 2 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Females	32	1	10	10	60		4	4 4	4	4	4 2 2 3	4 2 2 3 3	60	60	60 60	60 60	60 60	60 60	60 60	60 60	60 60	60 60	60 60	60 60	60 60	60 60	60 60
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common	Roscommon.   Males	92	i	1		п	60		61	3	1 10	2 1 2 1	2 1 2 1	2 1 2 1	2 1 2 1 5	2 1 2 1 5	2 1 2 1 5	2 1 2 1 5 5	2 1 2 1 5 5	2	2	2	2	2	2	2	1 1 1 1	1 1 1 1
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	[ Total ]	75	21	29	00	22	99	99	629	83	147	22	109	199	5 337	21 40	_										19 22	23	18	16 27	30
	Males	418	a	30	83	88	88	35	88	9	7	98	36	_	4 18			15 1	12 21	88	12	10		00	8 17		13 13	10	=	10 17	15
Ouging W.	Females.	788	28	36	17	27	76	8	23	2	25	30	8	24	145		18				14						6 9	1		6 10	16
	Unknown	2	H	01	T	98	1	61	7	i	-	-	7	1			!	1	1	1	1	1	1	1		1	1	1	+	-	69
	Total	161	10	38	16	13	12	13	18	16	11	9	22	83	6	_	_										6	-	=	. 6	
Sanilac	Males	8	00	30	00	10	0.	9	9	9	00	*	13	_	100	7		00	10	69		61	1	-	01	C4	4		4	4	_
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St. Clair	Males	247	=	10	15	2	84	30	20	8	69	98	139	_	10			8	10 1	13 10		0.9			6		7 13	9 1	6	10 5	-
_	Females.	216	93	18	9	19	8	2	11	16	53	19	8	119													8 9	00	급	13 7	_
	Total	242	21	8	56	21	23	11	18	2	12	21	18	_	1							-					61	22	19	21 20	61
	Males	121	Ħ	7	8	10	11	7	6	15	1	7	00	10										-		10	=	9	6	13 7	
of Joseph	Females.	116	00	13	17	=	13	1	00	1	10	00	10	_	1			09	00				-	_		9	1 7	9	10	8 13	-
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- C	Males	199	4	2	=	14	18	10	=	7	6	9	-	_	-		4	-	4	61			01	48	4		5	00	10	4	_
T u scola	Females.	123	-	9	13	13	60	-	9	14	90	13	23	_	4	48	90	-	4		6	-				9	01	01	00	09	60
	Unknown	п	1	-	1	1	1	1	1	1	1	i	i	i	1		+	÷	1	1	1	1	1	1	1		+	1	1	+	1
	Total	184	13	13	15	12	16		22	8	16	12	13	139	4	45	9		9 1			***			-	07	10 4	90	13	10 15	4
Van Buren	Males	88	00	00	4	9	0	2	*	30	11	*	13	=	GR .	200		-		1-	01	10	60	01	-	+	49	61	-	9	99
	Females.	96	10	0	ā	9	7		6	10	2	8	80	00	1 1	_	9	_	4			03				90	5 1	9	9	4 11	2

1883.
Age,
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Sea
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Counties
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Deaths
CONTINUED
61.—(
TABLE

								Mo	Монтив, 1883	88	ي.									ń	Авкв	IN	PERI	PERIODS	Y 40	YEARS,	, 1883,	05					
COUNTIES.	Sex.	YEAR, 1883.	January.	February.	March	April.	May.	June.	July.		August.	September.	October.	Мочетрет.	<b>Десешрет.</b>	Unknown,	Under 5.	5 to 10.	10 to 15.	12 to 50°	20 to 25.	32 to 30.	30 to 85.	.01 to 40.	40 to 45.	45 to 50.	50 to 55.	.09 of 66	.60 to 65.	.07 of 65	- AM	70 to 75.	70 to 70.
	Total	342	22	23	56	9 41		96	83	50	75	34	32	88	15	24	75	12	10	3	23	17	16	11		7 10	-	8 11	- 53	3 17	40	50	3 24
Washtenaw Males	Males	178	10	13	12	3 19		77	13	15	18	18	16	35	14	-	45	4	90	00	9	10		00	G1	2	10	NO.	7 16	H	14	-	13
	Females.	164	14	10	14	81		21	6	0	16	16	13	13	133	-	33	90	C.I	7	-	2	13		67	01	10	80	-	7 6	13	-	п
	(Total	2,740	192	168	240	944		219 I	173	247	195	955	252	249	304	4	1,922	210	62	8	131	109	16	1 93	3 77	72		77 63	88	- 88	67	-	69 4
7A.	Males	1,547	86	93	134	138	-	127	1 011	136	147	136	118	145	165	1	685	110	32	45	1	69	51	1 56	6 52	42		49 38	57	49	95	100	8
way ne	Females.	1,192	98	73	106	3 106		26	1 23	1	101	8	100	104	139	J	536	100	30	#	99	49	40	37	7 25	2 30		88	85	4	65	-	131
	Unknown	1	-	114	i	1	1	1	1	1	1	1	Ť	-	1	1	1	1	1	1	1	1	1	1	1	_	_;	1	- 1	- 1	-1		;
	Total	104	-	8		7	22	10	00	6	#	19	10	9	=	7	9	16	4	9	65	9	-		69	-	0)	-	-	-	64		1
Wexford   Males	Males	95	-	*			1	00	7	10	6	90	9	00	2	02	25	20	65	5.0	_	4		93				-	- 1	-:	_	-	-
	Females.	48	1	01		*	9	O1	7	4	10	1-	7	65	9	-	64	11	1	2.	01	G#		-			91	- 1	_			-	:

## COLOR OF DECEDENTS IN MICHIGAN IN 1883.

e per cent of white decedents to all decedents in 1883 was less than the ent of white inhabitants to all inhabitants in 1880, as shown by Table 62. n examination of the last column of the table it will be seen that the rate is less than the average among the white decedents, and more than verage among the other races, being the largest among the Indians. The column of the table shows the proportion of the sexes among the different; the largest proportion of males was among the Black, and the least of the Mulatto, being 50 males and 50 females in each 100 decedents.

LE 62.—Deaths Returned for the Year 1883, distinguishing the Color Number and Proportion of each Sex; and by Sex, the Per Cent of cedents of each Color to Total of all Colors; the Per Cent of Inhabits of each Color to Total of All Colors; and the Per Cent of Decedents to habitants.

OLORS,   Sex.   Population, June 1, 1880.   Number of each of each of each of each of each of the each of the each of the each of each of each of the each of the each of the each of each of each of each of each of each of the each of the each of each o									
Males	olors.	SEX.	tion, June 1,	of Deaths	of Deaths of each Sex to Total of Both	Males to 100	of Deaths of each Color to Total of All Colors,	of Inhabitants of each Color to Total of All Colors. by Sex. June 1.	to Popula-
Males		(Total	- 1 699 004	16 006			100.00		104
Total						117 40			
Unknown   57	olors				1				
Total				1	40.88	***********			1.00
Males			l						
Females						•••••			1.03
Unknown	•								
k	,6				45,98				
Males		(Unknown.		40			70.18		
Total		Total		117			.69		
Unknown		Males		64	55.17	123.08	.70		
Total	k	Females	1	52	44.83		.67		ļ
Males		Unknown		1			1.75		
Males		(Total	] .	57			RA		
Total					50.00	100.00			
Unknown	itto							•	
Total									
Males		•	1	_					
Total		1				••••		43	1.89
Total		I .							
Males		(Females		60	45.11		.77		
Total   15,078   174   1.03   .92   1.15		Total		17			.10		
Total   15,078   174   1.08   .92   1.15		ĭ.						•••••	
Total 15,078 174 1.08 .92 1.15  k and Mu. Males 92 53.49 115.00 1.01  to 80 46.51 1.03	10Wn	Females		2			.03		
k and Mu. Males		(Unknown.		15			26.32		
k and Mu. Males									
k and Mu. Males		(Total	15,078	174			1.08	.92	1.15
to Females 80 46.51 1.03	b and M.	Wales				115.00	1.01	1	
				80	46.51		1.03		
		1		2					

ncludes 28 Asiatics.

TABLE 63.—Exhibiting, by Number and by Sex, for the State and Counties, the Color of Decedents, returned for the Year 1883.

000 4 000	All	Color	a, 1888		×	WHIT	e.		В	LA	CK.	j	М	UL	AT?	10.	INI	MA	N.	U	NKI	rov	VN.
STATE AND COUNTIES.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
State	16,906	9,101	7,748	57	16,582	8,936	7,606	40	117	64	52	1	57	28	28	1	133	73	60	17		2	15
Alcona	14	8	6		12	6	6								_		2	2		_			
Allegan	852	195	157		343	191	152		12	2			1		1		6	2	4				
Alpena	104	60	44		104	60	44		4														
Antrim	70	87	32	1	70	37	32	1															
Arenac	39	22	16	1	30	18	12										8	4	4	1			1
Baraga	34	20	14		24	12	12										10	8	2				١.,
Barry	188	100	88		187	99	88						1	1									ļ.,
Bay	511	260	251		502	257	245		1		1						8	3	5				
Benzie	55	25	30		54	24	30						1	1					-				
Berrien	272	136	134	2	268	135	131	2	2		2		1	1			1		1				
Branch	233	117	116		232	116	116										1	1					
Calhoun	364	190	159	15	344	187	150	7	6	1	4	1	5	2	3					9		2	7
Cass	132	74	58		118	66	52		3	2	1		9	5	4		2	1	1				
Charlevoix.	86	37	49		65	24	41		2		2						19	13	6				١.,
Cheboygan	63	42	21		62	41	21										1	1			-		
Chippewa	74	40	34		67	35	32						-				7	5	2		_		
Ulare	21	13	8		21	13	8																
Olinton	226	113	113		225	113	112		1		1												
Orawford	14	8	6		14	8	6								4						-		١
Delta	4.9	32	17		49	32	17								22							.,	
Eaton	276	145	131		276	145	131																
Emmet	92	56	36		62	45	17										30	11	19				
Genesee	294	164	129	1	204	164	129	1										1					
Gladwin	6	3	3		6	3	3				4.				2.								
G'd Traverse.	126	65	61		125	65	60		1		1												
Gratiot	170	93	76	1	169	93	76						4							1			1
Hillsdale	268	140	127	ι	266	139	126	1					1	1			1		1			-	
Houghton	252	133	118	1	252	133	118	1															
Huron	172	95	77		172	95	77					_										.,	
Ingham	303	159	144		301	159	142		2		2												
Ionia	269	138	130	1	268	137	130	1	1	1													
Iosco	109	67	42		109	67	42								1							_	
Isabella	163	76	86	1	153	71	81	1					1		1		9	5	4				
Jackson	354	175	179		347	171	176		5	4	1		2		2								

TABLE 63.—Continued.—Deaths by Counties, by Color, and by Sex.

	ALL	COLOR	, 1883			WHITE	i.		В	LA	CK.		М	UL	ATT	ro.	INI	AIG	N.	U	KKN	ow	21
COUNTIES.	Total.	Males,	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Kalamazoo	354	183	171		340	176	164		9	4	5		5	3	2								
Kalkaska	26	15	11		26	15	11																
Kent	849	445	403	1	842	441	400	1	7	4	3												
Keweenaw	61	41	20		61	41	20																
Lake	23	11	12		23	13	12												4.	4			
Lapeer	242	121	126	1	240	120	119	1	2	1	1												
Leelanaw	82	43	39		77	40	37										5	3	2				
Lenawee	380	189	191		376	188	188		4	1	3												
Livingston	134	77	57		133	77	56		1		1												
Mackinac	7	5	2		7	5	2																
Macomb	334	174	160		333	174	159						1		1								
Manistee	198	118	79	1	196	118	77	1									2		2				
Manitou	18	11	7		18	11	7																
Marquette	360	204	156		360	204	156																
Mason	107	62	45		102	60	42		1	1							4	1	3				
Mecosta	174	96	78		170	94	76		3	2	1		1		1								
Menominee.	132	77	55	-	132	77	55																
Midland	88	47	41		87	47	40	١	1		1							١					
Missaukee	47	31	16		47	31	16																١.
Monroe	268	149	119		268	149	119																١.
Montcalm	241	120	121		241	120	121																ļ.
Montmorency	6	4	2		6	4	2				ļ							ļ.,					
Muskegon	270	145	124	1	269	144	124	1					1	1									1.
Newaygo	152	86	66		152	86	66						١										
Oakland	403	219	183	1	395	214	181		4	4			4	1	2	1							
Oceana	101	66	35		98	65	33										3	1	2				
Ogemaw	15	Đ	6		14	9											1		1				ŀ
Ontonagon	27	17	10		27	17	10					ļ.,						1					ŀ
Osceola	124	71	49	4	124	71	49	4											1.				ŀ
Oscoda	6	5	1		6	5	1	ı.							١								1.
Otsego	40	18	99		40	18	25	ı				١		Į.					ļ				١.
Ottawa	362	194	165	3	361	193	163	3	1	1					ļ	ļ.,							l.
Presque Isle	56	24	32		56	24	35	2		1.													1.
Roscommon.	15	10	. 5		13	9	1										9	1	1				1.
Saginaw	754	418	324	12	747	417	32	1									1	1		6			1
Sanilac	191	96	95		191	96	9	5			1												
Schoolcraft.	11	5			11	5		3															1.

TABLE 63.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

	ALL	COLOR	s, 1883	-		WRIT	E.		В	LA	CK.		M	UL.	ATT	ro.	IND	IA	N.	U2	KE	OV	Y
COUNTIES.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total,	Males.	Femules.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	
Shiawassee	172	98	73	1	172	98	73	1			-											.,	I
St. Clair	463	247	216		462	246	216		1	1											-		I
St. Joseph	242	121	116	5	240	120	115	5		-			2	1	1								I
Tuscola	246	122	123	1	246	122	123	1										H			-		l
Van Buren	184	88	96		177	84	93		2	1	1		4	2	2		1	1			-		l
Washtenaw.	342	178	164		331	173	158		4	2	2		7	3	4	-							ļ
Wayne	2,740	1,547	1,192	1	2,670	1,500	1,169	1	51	32	19		10	6	4		9	9					1
Wexford	104	56	48		104	56	48																l

### NATIVITY OF DECEDENTS IN MICHIGAN.

The accompanying table exhibits the numbers and percentages of those who died in Michigan according to their nativity for the years 1881-1883, and the average for ten years ending with 1882. From an examination of Table 64 it will be seen that for the last few years there has been a gradual decrease in the proportion of native-born decedents, and a corresponding increase in the ratio among the foreign-born. Thus the proportional average of native-born decedents for the ten years 1873-1882, was about 80 per cent, while for the year 1883 it was only 77 per cent. The proportional average of foreign-born decedents for the same period of years was 17 per cent, while for the year 1883 it was 20 per cent.

In this connection it is well to bear in mind the fact that the term "nativeborn" includes nearly all the children, among whom the mortality is very great, whereas the foreign-born inhabitants are chiefly of the middle ages. It will thus be readily seen that any statement of the death-rate by nativity, based upon the total population and the total number of deaths, is unsatisfactory, because of the difference in the proportion of native and foreign-born inhabitants at different ages. When the death-rate had been compared by nativity and age in Michigan it was found that during the first thirty years of life the death-rate was greater among the native-born, but after that period

the death-rate was greater among the foreign-born inhabitants.

TABLE 64.—Nativity of Decedents in Michigan for the Years 1881-1883, and the Average for Ten Years ending with 1882.

NATIVITY of DECEDENTS.	DEATH	s, 1881.	DEATH	s, 1882.	DEATU	s, 1883.	Av. for Ten Years ending with 1882.		
	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	
Ali Nativities	19,238	100.00	16,425	100.00	16,906	100.00	14,318	100.00	
Native-born	15,402	80.06	12,848	78.22	13,077	77.35	11,406	79.66	
Foreign-born	3,407	17.71	3,144	19.14	3,383	20.01	2,511	17.54	
Unknown	429	2.23	433	2.64	446	2.64	401	2.80	

TABLE 65.—Exhibiting, by Number and by Sex, for the State and Counties, the Nativity of Decedents in Michigan Returned for the Year 1883.

	ALL NATIVITIES, 1883.				NATIVE.				Foreign.			Unknown.			
STATE AND COUNTIES.	Total	Males.	Females.	Unknown.	Total	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
State	16,906	9,101	7,748	57	13,077	6,945	6,077	55	3,383	1,895	1488	446	261	183	1
Alcona,	14	8	6		10	7	3		3	1	2	1		1	
Allegan	352	195	157		285	160	125		58	31	27	9	4	5	<b> </b> -
Alpena	104	60	44		78	46	32		25	14	11	1		1	<b> </b> -
Antrim	70	37	32	1	62	32	29	1	7	4	3	1	1		 
Arenac	39	22	16	1	32	18	13	1	7	4	8			ļ	
Baraga	34	20	14	•	24	15	9		8	5	8	2		2	
Barry	188	100	88		168	88	80		20	12	8				
Bay	511	260	251		. 396	188	208		109	68	41	6	4	2	
Benzie	55	25	30		47	20	27		5	8	2	3	2	1	
Berrien	272	136	134	2	230	115	113	2	34	20	14	8	1	7	
Branch	233	117	116		204	99	105		18	9	9	11	9	2	ļ
Calhoun	364	190	159	15	310	159	136	15	43	25	18	11	6	5	<b> </b> -
Cass	132	74	58		114	64	50		12	6	6	6	4	2	ļ
Charlevoix.	86	37	49		74	31	43		5	3	2	7	3	4	
Cheboygan.	63	42	21		40	29	11		17	8	9	6	5	1	<b></b> -
Chippewa	74	40	34		49	24	25		23	15	8	2	1	1	<b> </b> -
Clare	21	13	8		15	10	5		3	2	1	3	1	2	
Clinton	226	113	113		196	94	102		24	17	7	6	2	4	
Crawford	14	8	6	•••	10	6	4		8	2	1	1		1	

## VITAL STATISTICS OF MICHIGAN, 1883.

TABLE 65.—Continued.—Deaths by Counties, by Color, and by Sex.

•	ALL 1	NATIVI	TIES, I	1883.		Nati	YE.		Fo	RRIGH	•		Unks	own.	
COUNTLES.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Fomales.	Unknown.
Delta	49	32	17		45	29	16		4	3	.1				
Eaton	276	145	181		241	122	119		20	12	8	15	11	4	
Emmet	92	56	36		77	44	33		13	10	3	2	2		
Genesee	294	164	129	1	238	129	108	1	46	28	18	10	7	8	
Gladwin	6	3	8		4	2	2		1	1		1	ļ	1	
G'd Traverse.	126	65	61		109	58	51		16	7	9	1		1	
Gratiot	170	93	76	1	153	82	70	1	17	11	6				ļ
Hillsdale	268	140	127	1	228	120	108		22	10	12	18	10	7	1
Houghton	252	133	118	1	184	95	88	1	67	<b>3</b> 8	29	1		1	
Huron	172	95	77		118	67	51		54	28	26			ļ	
Ingham	803	159	144		261	135	126		36	19	17	6	5	1	
Ionia	269	138	130	1	212	111	101		48	23	25	9	4	4	ı
Iosco	109	67	42		79	47	32		26	17	9	4	3	1	
Isabella	163	76	86	1	147	68	78	1	16	8	8				
Jackson	354	175	179		283	144	189		63	27	36	8	4	4	
Kalamazoo	354	183	171		308	158	150		41	21	20	5	4	1	
Kalkaska	26	15	11		20	11	9		5	3	2	1	1		
Kent	849	445	403	1	645	837	307	1	194	104	90	10	4	6	
Keweenaw	61	41	20		36	26	10		25	15	10				
Lake	23	11	12		21	-11	10		2		2				
Lapeer	242	121	120	1	174	83	90	1	58	31	27	10	7	3	
Leelanaw	82	43	39		70	38	32		12	5	7				
Lenawee	380	189	191		311	156	155		48	23	25	21	10	11	 
Livingston.	134	77	57		115	66	49		19	11	8				
Mackinac	7	5	2		6	4	2		1	1					
Macomb	334	174	160		250	135	115		81	37	44	3	2	1	
Manistee	198	118	79	1	150	88	61	1	45	28	17	3	2	1	ļ
Manitou	18	11	7		15	10	5		3	1	2				
Marquette	360	204	156		226	115	711		110	75	35	24	14	10	
Mason	107	62	45		80	41	39		19	13	6	8	8		
Mecosta	174	96	78		132	61	71		42	35	7				
Menominee	132	77	55		93	50	43		36	24	12	3	3		
Midland	88	47	41		70	36	34		15	9	6	3	2	1	
Missaukee	47	31	16		38	23	15		9	8	1				
Monroe	268	149	119		212	109	103		48	32	16	8	8		
Montcalm	241	120	121		199	97	102		37	21	16	5	2	3	

TABLE 65 .- CONTINUED .- Deaths by Counties, by Color, and by Sex.

	ALL 1	VATIVIT	ries, 1	883.		NATI	VE.		Fo	REIGN.			UNKNO	own,	
COUNTIES.	Total.	Males,	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males	Females.	Total.	Mules,	Females.	Unknown.
Montmorency	6	4	2		5	4	1	****	1		1				
Muskegon	270	145	124	1	185	97	87	1	74	38	36	11	10	1	
Newaygo	152	86	66		133	74	59		15	11	4	4	1	3	
Oakland	403	219	183	1	317	169	147	1	74	44	30	12	6	6	
Oceana	101	66	35	****	82	55	27		9	6	3	10	5	5	
Ogemaw	15	9	6		12	8	4		3	1	2				
Ontonagon	27	17	10		16	10	6		11	7	4				
Osceola	124	71	49	4	100	58	38	4	22	13	9	2		2	
Oscoda	6	5	1		5	4	1					1	1		
Otsego	40	18	22		33	17	16		6	1	5	1		1	
Ottawa	362	194	165	3	282	152	127	3	67	34	33	13	8	5	
Presque Isle	56	24	32		38	15	23		18	9	9				
Roscommon.	15	10	5		12	8	4		2	2		1		1	
Saginaw	754	418	324	12	547	303	232	12	174	96	78	33	19	14	
Sanilae	191	96	95		126	70	56	****	65	26	39		*****		
Schooleraft.	11	5	6		9	5	4		2		2				
Shiawassee	172	98	73	1	137	80	56	1	27	15	12	8	3	5	-
St. Clair	463	247	216		332	175	157		126	- 67	59	5	5		
St. Joseph	242	121	116	.5	203	102	96	5	35	19	16	4		4	
Tuscola	246	122	123	1	207	106	100	1	32	13	19	7	3	4	
Van Buren	184	88	96		167	79	88		11	7	4	6	2	4	
Washtenaw.	342	178	164		245	127	118		82	46	36	15	5	10	
Wayne	2,740	1,547	1,192	1	1,900	1,068	831	1	790	442	348	50	37	13	
Wexford	104	56	48		90	46	44		14	10	4				

## CAUSES OF DEATH, 1883.

The statistics of the causes of death in Michigan in 1883, will be found in the tables which follow. No extensive epidemic prevailed during the year, though the number of deaths returned was somewhat greater than for the previous year. This increase has been added to nearly all the various diseases, but the most notable increase over former years has been in scarlet fever and measles. By reference to Table 66 where the number of deaths has been arranged under the several great classes, it will be seen that they all bear a nearly constant ratio from year to year, with the exception of the Zymotic diseases. Whenever any marked rise in mortality occurs, it is very apt to be from the prevalence of some of the contagious diseases of this class. In 1881 Zymotic diseases caused over 35 per cent of the deaths, in 1882 it caused only 28 per cent, while for 1883 it dropped down to 26 per cent, which was 2.02 per

cent less than the average for the ten years 1873-1882. This diminution was largely the result of the decrease in the number of deaths from diphtheria, which has been reduced from 2,063 deaths in 1881, to 1,416 deaths in 1882, and 1,007 deaths in 1883. A decrease in the proportion of deaths from this class of causes would naturally be attended with a corresponding decrease in the proportion of deaths of children among whom these diseases are principally fatal. Such a decrease was noticed, as may be found by reference to Tables 48 and 49, pages 89, 90, and remarks thereon.

The proportion of deaths from constitutional diseases, on the contrary, has been increasing for the last few years, although it is still about the same as the average for ten years. This increase may be put down to consumption and cancer, both of which diseases have an increased per cent over the preceding year.

Local diseases, those affecting the brain and nervous system, show a larger proportion of deaths for 1883 than for the year 1882, though not greater than the rate for some former years.

An increase, in almost the same degree, marked the percentage of the mortality from developmental diseases, and also those from violence. As may be seen, the per cent for both these classes was greater than the average for ten years.

It is certainly gratifying to note that the number and per cent of deaths from unknown causes was much less in 1883 than for any previous year. The cause of death is often obscure even to the best of medical observation, but a little more care on the part of those who take the enumeration would avoid returning so many deaths from an unknown cause.

In 1883, 100 males and 9 females lost their lives by railroad accidents; 69 males and 22 females committed suicide; 138 males and 20 females were reported drowned; 25 males and 8 females were reported poisoned; 65 persons were burned or scalded to death; 6 from exposure; 12 from suffocation and strangulation; 1 male died from starvation; and 15 persons were murdered.

TABLE 66.—Number of Deaths returned from All Causes, from each Class of Causes, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes for the Years 1881–1883, and the Average for ten Years 1873–1882.

CAUSES OF DEATH,	18	31.	18	32.	18	83.		e Ten Les, 1882.
CLASSES.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num ber.	Per Ct. of Total.	Num. ber.	Per Ct. of Total.
All causes	19,238	100.00	16,425	100.00	16,906	100.00	14,318	100.00
L.—Zymotic Diseases	6,793	85.31	4,718	28.73	4,397	26.01	4,013	28.03
II.—Constitutional Diseases	2,734	14.21	2,612	15.90	2,817	16.66	2,384	16.65
III.—Local Diseases	5,011	26.05	4,691	28.56	4,923	29.12	4,057	26.33
IV.—Developmental Diseases	2,033	10.57	2,067	12.58	2,869	14.01	1,634	11.41
VViolent Deaths	966	5.02	778	4.74	940	5.56	740	5.17
Unknown and Unclassified	1,701	8.84	1,559	9.49	1,460	8.64	1,490	10.41

TABLE 67.—By Months, the Number of Deaths Returned in Michigan from All Causes and from each Class of Causes during the Year 1883.

CAUSES OF DEATH,-	Year,				3	MONT	115 0	F DE	атп,	1883.				
CLASSES.	1883.	Jan.	Feb.	Mar,	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk,
All Causes	16,906	1066	1134	1374	1500	1430	1254	1439	1651	1633	1401	1397	1598	49
I,-Zymotic Diseases	4,397	275	274	303	339	361	290	408	536	511	396	315	379	10
IIConstitutional Diseases	2,817	166	193	236	262	235	256	248	261	222	239	230	258	11
IIILocal Diseases	4,923	333	374	458	483	428	353	381	406	412	373	427	490	. 2
IVDevelopmental Diseases	2,369	167	144	191	237	202	162	194	211	210	190	212	245	4
VViolent Deaths	940	50	29	52	67	78	82	100	99	101	87	104	86	2
Unknown and Unclassified	1,460	75	120	134	112	126	111	108	138	157	116	109	140	14

## DEATHS IN 1883, GROUPED BY PART OF BODY DISEASED.

Diseases of the lungs stand first in the order of groups presented in Table 68, not only for each year, but also for the average for ten years. It will be noticed that for the years 1882 and 1883 diseases of the brain stand next, in order of fatality, to those of lungs, while for the average they occupy the third place, diseases of the bowels being second. Diseases of the throat dropped from third to fourth place in 1883, and also occupy the fourth place in the average.

TABLE 68.—Order of Seven Groups of Causes of Dealhs Returned for the Years 1881 to 1883, inclusive, and the Average for Ten Years 1873-1882.

18	81.		18	82.		18	83.		Av. FOR T 1873	'EN YE-1882.	ARS,
Diseases of	Number.	Per Cent to All Causes.	Diseases of	Number.	Per Cent to All Causes.	Diseases of	Number.	Per Cent to All Causes.	Diseases of	Number.	Per Cent to All Causes,
All causes	19,238	100,00	All causes	16,425	100,00	All causes	16,906	100,00	All causes	14,318	100,00
Lungs	3,366	17.50	Lungs	3,123	19.01	Lungs	3,299	19.51	Lungs	2,860	19.98
Bowels	3,102	16,12	Brain	1,856	11.30	Brain	1,845	10.91	Bowels	1,834	12.81
Throat	2,493	12.96	Throat	1,814	11.04	Bowels	1,756	10.39	Brain	1,678	11.72
Brain	2,043	10.62	Bowels	1,724	10,50	Throat	1,389	8.22	Throat	1,173	8.19
Heart	646	3.36	Heart	649	3.95	Heart	785	4.64	Heart	494	3.45
Kidneys	241	1.25	Kidneys	273	1.66	Kidneys	345	2.04	Kidneys	195	1.36
Liver	143	.74	Liver	145	.88	Liver	140	.83	Liver	133	.93
7 groups	12,034	62 55	7 groups	9,584	58.35	7 groups	9,559	56,54	7 groups	8,367	58 44

**TABLIK** the—Monen Novigraphical Motone of the Mate, formed for the purpose of facilitating the study of Gausse of Indian Materials of Materials of Materials.

3	Marthur course	Mission oc.	Mission on Missionantes to We	Waster a.	Murchaera. Candral.	Noy and Kestern.	Central.	Central. Southwestern.	Southern Central.	Southeastern.
1	Frence	***	ALIMA	Kent,	cyare.	A remac.	Barry.	Allegan.	Branch.	Macomb.
•	WA Transcol Mariening. Alpera.	"AMONTO.		Sets.	Gladwin.	May.	Cilaton.	Berrien.	Oslboun.	Monroe.
	Contract.	(manual)	fresh.	Maeve.	fastes ib.	ffuron.	Katon.	Cass.	Hilledalo.	Oakland.
	Manter	· verseev,	Minimus, Markelle.		Macrota.	Lapser.	Genesee.	Van Buren.	Jackson.	Wayne.
	Feet.	F. commercial .	'mana'	Moweyu.	Minisan.	Haginaw.	Gratiot.		Kalamazoo.	
-	Manager 1	Kawasa	mente.	(present)	Keecemaca. Sanilac.	Sanilac.	Ingham.		Lenawoe.	
	Western's	1800/	Freezes Sale, Incarde.	securita.		Ht. Clair.	Lonia.		St. Joseph.	
				'Mans.		Tuseols.	Livingaton.		Washtenaw.	
_							Montcalm. e			
							Shis wasses.			
-:			_							
	of thesis Line	to the fortunities	desides fries the friends franchise. Head rich and Holmen,	ricks and Hot	mer,	4 Munising.	• Ball.		r Otto.	g Home.

DEATHS, 1883, BY CLASSES OF CAUSES, BY DIVISIONS OF THE STATE.

A comparison of the healthfulness of the various geographical divisions of the State must always be one of great interest, and hence Table 70 as in former years, has been prepared for this purpose. The distribution of mortality in the different sections of the State is very unequal, not only in the percentage to the whole number of deaths in each section, but also in proportion to the population.

Based upon the population of 1880, it is seen that the death-rate has diminished since last year in the Upper Peninsular, Northern, Western, Northern Central, and South-western divisions, while there has been an increase in the death-rate of the others. The increase in the number of inhabitants in each

division should also be considered in this connection.

The South-western division shows the lowest death-rate for 1883 of all the geographical divisions, and the North-western the highest. In 1882, the divisions showing the lowest and highest, respectively, were the Central and Northern divisions.

In the State, the largest proportion of deaths was caused by local diseases, and the smallest from violent deaths. In the northern part of the State and also in the South-eastern division, it will be observed that the largest proportion of deaths was from Zymotic diseases, while in the Western, Bay and Eastern, Central, South-western, and Southern-Central divisions the largest proportion of deaths was from local diseases.

The various diseases included in each of these classes, and the counties in

which they occurred, may be seen in Table 71.

TABLE 70.—Exhibiting, by Geographical Divisions, the Number of Deaths, the Per Cent of Deaths in 1883 to Population in 1880, the Per Cent of Deaths for each Division to Total Deaths for the State, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes.

STATE AND	Popula- tion June 1, 1880,	DEA REPOT	RTED,	Per Ct. of All Deaths		USES TO	DEATHS :	FROM EA	L CAUBES	
GEOGRAPHICAL DIVISIONS.	Represented by Deaths in 1883.	Num- ber,	Per Ct. of Total.	in 1883 to Pop- ulation in 1880.	Class L Zymotic Diseases.	Class II. Constitutional Diseases,	Class III. Local Diseases.	Class IV. Developmental Diseases,	Class V. Violent Deaths.	Unk. and Un- classi- fied.
STATE	1,632,994	16,906	100,00	1.04	26.01	16.66	29.12	14.01	5.56	8.64
Upper Peninsular	83,838	1,007	5.96	1.21	23.43	11.22	23.04	16.29	11.52	14.50
North-western	40,342	630	3.73	1.56	39.89	9.84	20.32	15.08	4.60	11.27
Northern	29,519	391	2.31	1.32	24.04	14,32	23 28	13,04	7.16	18.16
North-eastern	24,263	310	1.83	1.28	26.45	15.48	21.29	10.97	5.16	20.65
Western	183,279	1,988	11.76	1.08	24.34	17.81	28.72	13.38	6, 39	9.36
Northern-Central	39,798	467	2.76	1.17	34.90	14.35	24.84	7.71	5.99	12.21
Bay and Eastern	245,679	2,618	15,49	1.07	25,44	15.35	26.97	16,62	5.27	10.35
Central	293,822	2,273	13.44	.77	23.36	18.52	33.00	11.97	6.07	7.08
South-western	127,416	940	5.56	.74	20.85	20.00	33,94	12.77	4.36	8.08
Southern-Central	292,306	2,537	15,01	.87	20,18	20.66	35.63	11.90	5.01	6.62
th-eastern	273,232	3,745	22,15	1.37	31.72	15.54	27.77	15.86	4.06	5.05

TABLE II. CAUSES OF DEATH. - NOWINGEST ARRANGEMENT.

Mekhibitany the Fluinier of Heyerled Double in Michigan and in each County of the State during the year 1888, from Proceedings of the State during the year 1888, from

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4. Diseases of Digestive Organs	747	-	11	2	-	1	-	91	83	. 16	=	1	*	9	1	10		6	-	H	10	69	55		
5. Diseases of Urinary Organs	366		9	-		09	-	00	-	9	-	130	9	1	1	1	1	00	-!		6	-	=		
6. Diseases of Generative Organs	18	:	1		- 1	- 1	-	01	1	1	-1	_	1					-		-	00	1	1	i	
7. Discases of Organs of Locomot'n	п		1	1	1		1	-	1	1	1	-	1	(1)	-			1	+	1	÷		-	i	
8. Diseases of Integumentary Sys.	88		01	<del>-</del>	1	1	1	,	1	1	-	-	01	-1	1	1	1	01	:		1-		91		
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3. Developme'l Dis. of Old People	726		18	03	01		1	2	-	-	15	R	9	91	1	*	-	11		-	17	4	1 22		
4. Diseases of Nutrition	868		00	-	1	- 1	-	21	90	-	*	1	1	-	H	1	1	*	+	ı	04		00		
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6. Violent Deaths	306	-	6	04	00	01	-	9	00	60	**	0	04	64	04	04	1	*	-	01	04	04		1	
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2. Measles	258		13	01	69		1	7	10	7	CN	10	60	00	0.0	1	÷	60	:	1	69.	60	01	-	
3. Scarlatina	673		6	00	90	100	1	7	12	100	10	-	7	4	1			-		1	13	61	69	9	
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TABLE 71,-CAUSES OF DEATH.-Nosological Arrangement.

Exhibiting the Number of Reported Deaths in Michigan and in each County of the State during the year 1883, from Specified Causes, Statistically Classified. (Still-births Included.)

					İ		.				ပိ	Þ	HIL	8, 18	383.										l
CAUSES OF DEATH,—1883.	STATE.	Alcona.	Allegan,	Alpena,	Antrim.	эвпэтА.	Barraga.	Barry.	Benzle.	Berrien.	Branch.	Calhoun.	Cass.	Charlevolx.	Cheboygan.	Chippewa.	Clare.	Citnton.	Crawford,	Delta	Eston.	Emmet.	Genesee.	Gladwin.	G'd Traverse.
All Causes	16,906	14	352	104	02	98	34	188 511		55 272	88	364	132	86	63	7	25	226	17	49	276	95	204	9	126
Specified Causes	15,520	00	324	8	3	36	34	177	129	51 249	914	333	121	25	3	11	130	213	21	25	262	122	280	1 10	114
Causes not Specified	1,386	9	88	08	9	00	04	11	20	28	3 10	6	1	14	19	60	G1	13	O.S.	17	77	19	14	-	51
CLABBES.		i -		1	1	1	1	1	1	1					E.	1	1								
IZymotic Diseases	4,397	1	16	24	30	6	13	10	147	12 4	49 38	8 57	8	19	14	34	7	2	4	6	26	2	67	1	52
II.—Constitutional Diseases	2,817	1	65	17	9	6	4	34	88	111 5	28 60	75	27	13	10	13	1	48	01	-	53	77	9	1	16
III.—Local Diseases	4,923	60	112	21	16	6		61 19	252	8	99 74	136	50	55	0	6	9	63	G#	7	105	83	114	*	53
IV.—Developmental Diseases	6385	60	4	16	00	4	01	12	26	15 3	36 32	2 46	9 13	13	*	9	*	31	Ç1	90	55	13	क्ष		16
VViolent Deaths	940	64	14	10	+	*	9	6	88	2	7 30	E 10	6	20	5	9	O.	18	¢4	-	15	H	10	1	64
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2. Enthetic Diseases	12	1	1	-	1	1	1	1		1	1	1	1	1	1	1	-	1	1	1	1	-	1	1	-
3. Dietic Diseases	88	1	1	İ	1	+	1	+	-	1	1	-	1	1	1	1	-	I	1	1	-	1		1	1
4. Parasitic Diseases	7	1	1	1	;	1	1	1	1	-	1		-	-	1	1	1	1	-	1	1	1	1	1	1
II1. Diathetic Diseases	723	1	16	ot	C4	H	-	90	18	=			9 10	4	C.F	- CX	4	H	1	1	8	50	11	1	*
2. Tubercular Diseases	2,004	-	46	10	*	90	80	26	99	-	39 46	_	21   99	6 1	30	Ħ		33	64		333	Ħ	46	1	15

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TABLE 71.—Continued.—Causes of Death, Classified.

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CAUSES OF DEATH,—1883	STATE.	Alcona.	Allegan	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Chapterote	Cheboygan,	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Katon,	Emmet.	Genesee.	Gladwin.	G'd Traverse.
R. Phthisis (Consumption of Lungs)	2,016		46	15	4	90	00	61	99	10	33	45	99	17	6	8	11	35		04		32 1	10 45	1	1
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TABLE 71.—Continued.—Causes of Death, Classified.

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	Allegan,		-
	Alcona.		
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	CAUSES OF DEATH, - 1883.	Stricture of Intestines  1 Diseases  1 Diseases  1 Diseases  1 Trunty Organs  Trunty Organs  Graval, etc.  Graval, etc.	(SERING)
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VIGEORIA	Organs of Locomotion.	. 8. Integumentary System	2. Ulcers.	CLASS IV,—DEVELOPMENTAL DIS IV,—ORDER 1. Dev. Dis. of Children	1. Still-born	2.   Premature Birth	3. Cyanosis	5, Other Malformations	7. Injury at Birth	IV ORDER 2. Dev. Dis. of Women	1 Sysmeonrhea Tarn of Life

TABLE 71. -Continued .- Causes of Death, Classified.

		1			4						Cor	COUNTIES,	HB,	1883.	2			-			1			1	
CAUSES OF DEATH,-1883.	STATE.	Alcona.	Allegan,	Alpena.	Antrim.	Атепас.	Baraga.	Bay.	Benzie.	Berrien.	Branch.	Calboun,	Cass.	Charlevolx,	Cheboygan.	Chippewa.	Clinton.	Crawford,	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	G'd Traverse.	
Child-birth	. 928	Ol	03	00	1	,-	-	*	9	4	C1	20	.04	01	1	1	-	04	-	7	60	1	1	00	
9. Abortion	13	-	1	İ	-	1	1	-	1	1	-	1	1	i	1	-	1	1	1		1	01	1	1	
Tlerine Hemorrhage	-	1	1	1	1	1	1	1	1	1	1	1	1	i	1	+	+	1	1	1	1	1	1	1	
Dev. Dis. of Old People	726	1	18	ON.	93	+	-	3 11	-	П	15	53	9	09	н	4		14	-	1 17	4	12	1	10	
	726	1	18	C4	63	+		3 11	-	11	15	83	9	C)	н	*	-	14		1 17	*	Si Si	1	01	
deases of Nutrition	298	1	80	1	1	- 1	-	19 48	-	- 9	4		1	1	-		-	-	- 1	-	01	00	1	1	
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NT DEATHS	016	61	14	10	4	*	9	92 88	50	7	10	10	0	10	10	9	01	18	01	7 15	11 1	10	1	63	
seldent or Negligence.	525	1	*	60	-	O1	9	20 20	63	C1	10	=======================================	00	01	00	*	ON.	133	,	5 12	6	9	-	C1	
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IIIORDER 6. Generative Organs	18	1	1	1	1	i	01	Ť	1	1		1	1	-	Ï	Ī	-	+	:	:	÷	1		
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Ovarian Tumor	9	1	-	1	-	1	i	i	÷	+	-!	1		-	1		1	+	:	64	1	1		
2. Disease of Uterus	13	+	1	1	1	1	01	i	t	1		1	- 1		Ť	1	-	-	:	-	1	1		
3. Hydrocele	İ	1	+	1	-	1	Ť	Ť	÷	+	+	1	1		Ť	i	1	1	i	1	-	1		
III -ORDER 7. Organs of Locomotion.	11	1	-	- 1	1		Ť	i	+	- 1		1	:		Ť	1	+	1	i	+	-	-		
L Arthritis	-	1	1	1	-	1	Ť	i	+	+	÷	1	1	-	Ť	1	÷	+	+	+	+	1	_	
2, Joint Diseases	97	1	+	1	-	1	İ	Ť	÷	+		1	;	•	Ť	1	1	+	1	+	-	1		
III -ORDER & Integumentary System	8	1	69	j	- 1	-	1	F	÷	:	-	64	1	-	i	- 1	63	1	:	7	-	01		
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2. Uloere	9	+	+	1	1	Ī	Ť	i	÷	+		1	1	_	İ	1	÷	i	1	+	1	1		
3. Skin Discase	\$	1	-	1	1	1	T	ri-	+	+	!	_	J	_	Ť	1	61	t	1	00	+	1		
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IV ORDER 1. Dev. Dis. of Children	1,099	-	1 0	2	60	н	10	83	14	129	-	18	6	C3	Q3	00	10	-	9	6	9	23	-	
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Premature Birth		1	-	1	1	Ī	1	61	+	+	1	1			Ť	1	+	-}-	1	-	+	+	_	
3. Cyanosis	i	1.	1	1	I	Ī	Ť	1	1	+	!	_	1	·	Ť	1	+	+	1	1	1	1		
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7. Injury at Birth	_	- 1	- 1	1	- 1	1	i	Ť	1	- 1	1	-	- 1		i	1	+	+	-	+	1	1		
IV ORDER 2. Dev. Dis. of Women	246	.01	60	3 1	1	-	4	9	-	4	01	01	63		Ť	1	02	н	-	10	60	67		•
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TABLE 71.—Continued.—Causes of Death, Classified.

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	Marquette,	360	315	45		8	34	97	61	43	1		18	1	04	1	9	88
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	lsabella,	163	146	17		8	53	35	13	9	1	-	99	1	1	1	- 00	65
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	Huron.	172	141	31		30	24	77	25	-	0.5		81	1	-	-	9	18
	Houghton.	252	207	13		45	31	99	20	16	1	-	45	1	1	1	00	83
	Hillsdale,	268	253	15		52	20	107	65	12	1	1	550	1	1	1	11	38
	Gratiot.	170	154	16	1	20	83	28	11	10	1		20	1	1	1	7	19
	CAUSES OF DEATH,—1883,	All Causes	Specified Causes	Causes not Specified	CLASSES.	IZymotic Diseases	IIConstitutional Diseases	IIILocal Diseases	IVDevelopmental Diseases	VViolent Deaths	Unclassified	ORDERS,	I,-1. Miasmatic Diseases	2, Enthetic Diseases	3. Dietic Diseases	4. Parasitic Diseases	II1. Diathetic Diseases	2, Tubercular Diseases

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2. Diseases of Organs of Circulatin	3. Diseases of Respiratory Organs	4. Disenses of Digestive Organs	5. Diseases of Urinary Organs	6. Diseases of Generative Organi	7. Diseases of Organs of Locomot'n	8. Diseases of Integumentary Sys	IV 1. Developmental Dis. of Children	2. Developmental Dis. of Women.	3. Developme'l Dis. of Old People	4. Diseases of Nutrition	V1. Accident or Negligence	2. Battle	3. Homicide	4. Suicide	5. Execution	6. Violent Deaths	CLASS I.—ZYMOTIC	IORDER I. Minsmatic.	1. Small-pox	2 Mensles	3. Scarlatina	4. Diphtheria	5. Quinsy	6, Croup	-
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TABLE 71.—Continued.—Causes of Death, Classified.

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CAUSES OF DKATH,—1883.	Gratiot.	Hillsdale.	Houghton	Нитоп.	Ingham.	Ionia.	Tosco.	Isabella	Jackson.	Kalamazoo.	Kent.	Кемеспаw.	Lake.	Lapeer.	Leclanaw.	Lenawee.	Livingston.	Mackinso.	Macomb.	Manistee.	Maniton	Marquette.	Mason.	Mecosta,	Menominee.
7. Whooping cough	-	:	*	1	1	-	-	1	1	01		-	_!	- 1	- 1	10	7	- 1	1		91		-		
(Typhold Fever	1	9	9	60	2	QE	-	01	00	-	_	50	7	31	-	19	00	1	15		7	11	01	21	03
8. Typhus Fever	1	1	1	1	i	i	1	+		1	+	- 1	1	1	1	1	1	1	1	1	1	1	1	i	- 1
Typho.Malarial Fever	1	-	1	1	1	-	+	÷	+		+	-	!	_	1	- 1	- 1	i	1	1	1	1	1	-	1
9. Erysipelas	04	9	7	¢4	9	61	1	1	*	6	-	13	-	-	-	04	63	1	1		1	-	1	_	1
10. Puerperal Fovor	1	1	1	1	1	00	1	4	1	01		OI.		_	-		1	1	-	-	_	-	01	1	-
11. Carbuncle	1	1	1	1	İ	÷	1	1	+	+	1	-	1	1	1	i	1	1	1	-1	1	1	1	1	
12. Influenza	1	04	1	1	İ	i	-	+	1	+	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1
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14. Diarrhea	П	4	9	63	-	00	1	-	*	10	1	23		1	_	-	01	1	9		-	CH	O.	1	-
13. Cholern Infantum	10	20	-	9	9	00	12	4	6	9	1	57	01		9	16		1	10		19	O.	01	60	00
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TABLE 71.—Continued.—Causes of Death, Classified.

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	Macomb.	37	03	1	100	\$5 50	11	T	9	1	1	1	-	-	0	-	-	1	1	1	1
1	Mackinac.	60	1	1	01	-	1	i	1	i	1	1	1	1	1	-	1	1	1	1	1
	Livingston.	20	1	1	43	17	64	04	7	1	1	1	1	-	10	1	1	1	1	1	1
	Lenawee.	47	1	I	130	31	G1	-	19	1	1	1	1	*	4	1	-	1	1	1	1
8 3.	Leelanaw.	10	1	1.	H	10	-	1	-	1	1	-	1	C.S.	1	1	1	1	1	1	1
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H 8,	Lake.	*	1	1	00	60	1	1	1	1	1	1	1	1	1	1	00	1	1	1	1
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	Kalamazoo,	24	1	1	88	33	*	00	9	1	1	5	1	20	7	04	1	1	1	1	1
	Jackson,	61	1	1	144	37	60	61	12	1	-	-	-	60	60	60	1	1	CI	-	0
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	Houghton.	63	1	-	56	36	11	-	1	1	-	1	1	11	4	1	-	1	1	1	1
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	Gratiot.	14	1	1	58	81	10	1	1	1	-	1	1	4	1	1	10	-	-	1	1
	CAUSES OF DEATH,-1883.	3. Phthisis (Consumption of Lungs)	4. Hydrocephalus	5. Marasmus	CLASS III, - LOCAL DISEASES	III,-ORDER 1. Nervous System	I. Cephalliis	2. Apoplexy	3. Paralysis	4 Insanity	5. Chorea	6. Epilepsy	7. Tetanus	8. Convulsions	Brain Disease	" Dropsy of Brain	10. Spinal Fever	11. Spotted Fever	12. Meningitis	13. Meningitis, Cerebro-spinal	14. Meningitis, Spinal
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16. Spine Disease	18, Frightened	9. Aneurlism	IIIORDER 3. Respiratory Organs	2. Laryngitis	4. Pleutisy	6. Asthms	8. Catarrh	1 Gastrills	3. Peritonitis	6. Hernia

TABLE 71.—CONTINUED.—Causes of Death, Classified.

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E 8,	Lake,	-	1	1	1	1	1	-	1	-	1	1	1	1	-	1	1	1	1
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	CAUSES OF DEATH,-1883.	r Child birth	2 Abortion	Uterine Hemorrhage	IVORDER 3. Dev. Dis. of Old People	1. Old Age	IVORDER 4. Diseases of Nutrition	1. Atrophy and Debility	CLASS VVIOLENT DEATHS	V ORDER 1. Accident or Negligence.	T. Fractures and Contusions	2. Wounds	3. Burns and Scalds	4. Polson	5, Drowning	6. Suffocation	7. Otherwise	VORDER 2. In Battle	VORDER 3. Homicide

V ORDER 4. Sufcide	01	1	-		68	1		64	101	91	•	9	1		-	-	2	-		24		-63	-	7	77	:
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2. Poison	1	- 5	i		-	-	i	1	÷	1	,	+	4	-	-	1		-		- 3			1	1	1	:
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VOhden 5. Execution	- 1	-1	- 4	1	- 4	i	i	1	- 1		-	1	-		1	- 1	- 1	1	. 1	- 1			-1	-	1	:
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TABLE 71.—Continued.—Causes of Death, Classified.

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	Tuscola.	246	215	31	1	69	33	89	31	12	01	8	3		1	1 8
	St. Joseph.	242	153	F	1	36	97	94	45	0	1		3		-	33 33
	St. Clair.	463	420	25	i	128	F	129	7	19	C4	Š	-		1	8 4
	Shiawassee.	173	156	16	i	55	8	49	85	16	1	6	3		i	18 8
	Schoolcraft.	=	101	-	1	90	1	7	1	64	-	0			1	TI
	Sanilae.	161	164	27	1	39	23	20	23	9	139	8	3		1	a 13
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	Muskegon.	970	929	41		54	47	73	8	23	-	N.		-		10
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	GAUSES OF DEATH,-1883.	All Causes	Specified Canses	Canses not Specified	CLASSES.	IZymotic Diseases	IIConstitutional Diseases.	IIILocal Diseases	IVDevelopmental Diseases.	VVlolent Deaths	Unclassified	ORDERS.	2. Enthetic Discases.	3. Dietic Diseases	4. Parasitic Diseases	II1. Diathetic Diseases
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2. Diseases of Nervous System 2. Diseases of Organs of Circulatin 3. Diseases of Respiratory Organs 4. Diseases of Urinary Organs 6. Diseases of Generative Organs 7. Diseases of Generative Organs	1V1. Developmental Dis. of Children 2. Developmental Dis. of Women. 3. Developme'i Dis. of Old People 4. Diseases of Nutrition	T.—1. Accident or Negligence.  2. Battle.  3. Homleide.  4. Suicide  5. Execution  6. Violent Deaths	I.—Order I. Mismatic. I. Small-pox 2. Measics 3. Scarlatina 4. Diphtheria 5. Quinsy.

TABLE 71.—Continued.—Causes of Death, Classified.

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	Wexford.	23	57	-	1	37	65	69	-	10	95	90 10	03	1 2		6	6	-	10		1	
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3	Schoolcraft.	-		1	1	1	1	1	1	1	1	1	1	1	!		1	-				
8	Sanilae.	1	00	1		-	1	1	1	_	1	1	1	1	19		60	1				
8	Saginaw.	13	98	1	-	10	1	1	1	5	6	34	61	1			7	1	-	-	1	
	Roscommon.	1	-	1	1	1	1	1	1	1	1	1	1	1	-	0.5	-	-				
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0	Osceola.	1	4	10	1	1	04	T	1	1	69	-	1	1	-	1	-	1				TI
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- 3	Ogemaw.	-	Ì	T	1	1	i	1	Ì	1	Ì	-	Ì	İ	Ī	-	Ī	1				
-	Осевпа.	-	7	1	1	1	1	1	i	-	01	00	1		i	1	-	1	- 1			11
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-	Minnell	- :	+	1	+	1	+	+	+	+	1	-	1	+	-	-	1	+		-	-	+
	CAUSES OF DEATH,—1883.	7. Whooping cough	Typhoid Fever	8. Typhus Fever	Typho-Malarial Fever	9. Erysipelas	10. Puerperal Fever	11. Carbuncle	12, Influenza	13. Dysentery	14. Diarrhea	15, Cholera Infantum	16. Cholora Morbus	(Cholera	17. Ague	18. Remittent Fever	19. Rheumatism	20. Leprosy	I Ourse o Enthatic	The state of the s	I. Syphilis	2. Stricture of Urethra
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a. Hydrophobia 4. Glanders  LOnder 3. Dietic	2. { Eachitis.   Sourvy   3. Delirium Tremens (Alcoholism)   4. Intemperance   5. Oplum Eating	1.—Order 4. Parasitle 1. Thrush 2. Worms 3. Disease of Scalp CLASS II.—CONSTITUTIONAL 11.—Order 4. Diathetle 1. Gout	2. { Dropsy. 3. Cancer. 4. Noma (Canker) 5. Mortification. 1I.—Order 2. Tubercular 1. Scrofula. 2. Consumption of Bowels.

TABLE 71.—Continued.—Causes of Death, Classified.

				-		1	-				COUR	OUNTIES,		1883.	B		-					4			1	
dauses of death, 1883.	Missaukee.	Monroe.	Montesim.	Montmorency.	Muskegon.	Newayso.	Oakland.	Овешви.	Ontonagon.	Osceola.	Oscoda.	.ogsatO	ottawa.	Presque Isle.	Ковсоттов.	Saginaw.	Sanilac. Schoolcraft.	Shlawassee.	St. Clair,	st. Joseph	Tuscola,	Van Buren.	Washtenaw.	-маупе-	Wexford.	
3. Phthisis (Consumption of Lungs)	64	8	27	1	250	138	1 8	17	-	9	CA	10	=	9	0,5	89	1 %		18	48	1 88	31		296	=	
4. Hydrocephalus	11		11			1 1	1 1	-	1 1				11		1	1 -	7	1 1		1	1	1	-	1 00	1	
CLASS III.—LOCAL DISEASES	10	82	71	60	22	36	83	17	4	36	-	10	98	10	-	218	20	4	1 69	8	9 76	88	131	740	15	
IIIOnder 1. Nervous System	1	23	8	1	31	7	47	0	80	1 12	1	4	17	-	H	95	1 23	1			-	17	43	281	10	
1. Cephalitis	1	10	80	1	=	00	-	Ot.		-	1	-	11	H.	1	16	00	-	60	12	64	9 1	- 60	57	:	
2. Apoplexy	1	1	1	1	10	1	09	-	1	-	-	1	00		T	7	61	-	-	-	-		00	15		
3. Paralysis	1	10	00 0	1	60	-	170	-	1	_	1	-	10 "	1	1	=	00		00	6	=	5	-	4		
5. Chorea			•			1 1	0						1					1 1	: 04		1 1		* :	0	: :	
6. Epilepsy	1	1	-	1	-	1	1	1	1	-	1	1	-	1	1	01	1	1	-	00	01	-	-	-		
7. Tetanus	1	1	1	T	+	1	+	-	1	1	1	1	1	1	1	-	+	1	1	1	1	1	1	-		
6. Convulsions	1	03	00	1	9	04	10	-	1	9	1	-	13	Ì	1	130	-	:	-	7	-	64	10	93	01	
9. Brain Discase	11		9 :	11	4	4 :	9 ;		1 1			1	7		1 1	20 =	9 01	1	04	10	9	00 04	13	64 8	00	
10. Spinal Fever	1	-	4	ì	-	-	1	-	1	1	-	1	60	1	1	04	03	-	60		01	63	1	65	:	
II. Spotted Fever	1	1	-	1	1	-	1	-	1	1	1	1	1	1	i	1	-	-	:	-	-	1	1	1		
12. Meningitis	1	1	1	1	1	1		03	1	1	1	1	1	T	1	0	+	1	-	1	1	1	1	04	:	
13. Meningitis, Cerebro-Spinal			1	T	-	1 1		-	. 01	-			T	T	1 -	- 9	-	-	1 .	1 50	- 0		1	1	1	

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15. Neuralgia	L. Perlearditis	ORDER 3. Respi 1. Epistaxis	4. Pleurisy 5. Pneumonia 6. Asthma 7. Lung Disease 8. Catarrh	ORDER 4. Diges 1. Gastrilis 2. Enteritis 3. Peritonitis 4. Ascilis	6. Hernia
ralgie Di	ER 2.	ER 3.	arisy umo hma g Di g Di	KR 4. trittle erittl itoni	nla
Spin Spin Frig	ORD Per And Hea	ORDER 3. Re- 1. Epistaxis 2. Laryngitis	4. Plearisy 5. Paeumonia. 6. Asthma 7. Lung Diseas 8. Catarrh	ORDER 4. Di Gastrills 2. Enteritis 3. Peritonitis 4. Ascilis 4.	6. Hornia
16, 11, 18, 18,	1. Pericarditis	III.—ORDER 3. Respiratory 1. Epistaxis 2. Laryngitis	* 6 5 6 5	11. Castrilis 2. Enteritis 3 Peritonitis 4. Ascitis	4 4

TABLE 71.—Continued.—Causes of Death, Classified.

-	Wexford.	4		4	4					*		4	-	4		-	i			
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н	Washtenaw.	-	1	+	10	1	:	1 01	69	1	01	1	91	+	+	6	-	C4	-	3
п	Van Buren.	1	1	+	01	1	-	1 1	-	+	-	1	9	+	÷	-1	-	-	1	=
	Tuscola.	1	1	Î	1	1	1	11	-	1	63	T	00	1	1	7	1	1	1	+
	St. Joseph.	1	1	T	7	1	-	1 1	-	i	1	i	10	1	1	02	10	i	-	+
	St. Clair.	1	i	1	60	İ	-	ii	-	1	1	17	6.	-	i	7	-	-	1	60.
1	Shlawassee.	1	1	1	1	i	1	11	-	i	+	i	1-	1	T	7	01	i	i	-
	Schoolcraft.	Ť	i	i	1	i	i	11	1	T	1	Ì	-	1	1	-	1	1	i	1
	Sanllac.	1	i	i	80	1	7	11	64	1	1	i	89	1	1	ī	64	-	1	i
	Saginaw.	1	1	i	10	Ì	O.	1 -	9	1	-	T	10	-	1	0	01	1	1	ci ci
	Roscommon.	i	1	1	1	ì	T	İ	1	T	1	Ī	1	1	1	1	1	1	1	1
1883	Presque Isle,	1	1	1	1	1	T		н	1	1	1	1	1	-	1	1	1	1	1
	Ottawa.		1	1	-	1	1	1 "	69	1	4	1	*	1	1	1	01	-	1	-
OUNTIES,	Otsego,	1	1	1	1	1	1	11	1	1	1	1	-	1	1	-	1	1	1	1
000	Oscoda.	1	1	1	1	1	1	11	1	1	1	1	-	1	1	1	-	1	1	
0	Osceola.	1	1	-	-	1	1	! "	-	1	1	-	03	1	-	04	-	1	-	
	Ontonagon.	1	1	1	-	1	1	11	1	1	1		-	1	1	1	1	1	1	
	Ogemaw.		1	1	1	1	1	11	1	1	1	1	1	1	1	1	1	1	1	
	Осевпа.	-	1	1	-	1	-		1	1	1	-	64	1	1	01	-	1	1	1
	Oakland.	1	1	1	*	1	1		1	1	-	1	11	-	1	10	-	1	1	7
	Newaygo.	-	1	-	09	1	1		1	1	1	1	1	1	1	-	1	-	1	
	Muskegon.	1	1	1	G1	1	1	1	1	1	1	1	00	-	1	04	1	1	1	
	Montmorency.	;	1	1	1	1	1		1	1	-	1	-	1	1	1	1	1	-	
	Montealm.	1	1	1	1	-	1	1	-	1	1	1	4	1	1	-	1	1	-	
	Monroe.		1	1	1	1	1	1	100	1	-	1	4	1	1	-	1	-	-	01
	Missaukee.		1	1	1	1	!			1		1	1	1	-	-	-	-	1	1
	CAUSES OF DEATH,-1883.	8. Intussusception	9. Stricture of Intestines	10. Fistula	11. Stomach Diseases	12. Pancreas Diseases	13. Hepatitis	14. Billary Calculus	15. Liver Disease	16. Spleen Disease	17. Bowel Diseases	18. Mouth Disease	IIIORDER 5. Urinary Organs	1. Nephritis	2. Ischuria	5. Bright's Disease of Kldneys	4. Diabetes	5. Calculus (Gravel, etc.)	6. Oystitis	7. Kidney Discase

IIIOnden 6. Generative Organs	1		1	7	1	1	1	1	į	1	:	1	1		1		10	1	=		-	7	_
J Ovarian Discaseo	1	1	1	1	1	1	;	;	1	1	i	1	1		÷	1		1	İ	1	-	1	•
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3 Hydrocolo	1	3.0	1	1.6	11	1	1	;	1	1	1	1	1		3	i		1	1	4	•	i	•
IIIOnder 7Organs of Locomotion.	-	1	+	- 4	1.	1	1	- 1	1		1	- 1	į			i		-	1	-	-	+	•
1. Arthritis	1	1	-	1	:	1	4	1	•	1	1	1	1	_	1	1		i	i	1	4	-	:
2. Joint Disenses		1	1	1	1	1	1	1	1	1	!		1	1	1	1	-	1	T	. 1	=	60	•
IIIOnden 8. Integumentary System	- 1		-	- 1		4	1	7	-	-	!	:	i	-	63	-	65	64	-		00	21	•
1. Phlegmon	1	:	1	-	- 1	1		1	-	- 1		1	1	1	1	1	-	-	-	1	-	10	:
2. Ulcers	1	1	1	,	-1	1	1	į	i	1	1	i	i	1	1	j	1	1	1	1		1	:
3. Skin Discaso	1	-	1	1	:	00	:	1	7	Ħ	-!	1	1	-	п	1	O1	-	1	1	01	1	•
CLASS IV.—DEVELOPMENTAL DIS	20	99	31	8	-	62	12	O.	9	30	10	25	-	=	23	60	7	45	5	12	- 2	123	2
IVORDER 1. Dev. Dis. of Children	**	83	16	1 18	or or	85		1	00	8	6	30	1	19	15	12	47	24	90	=	0	2.0	2
1. Still born	*	7	12	1	90	18	10	1	П	55	6	98	-	50	15	30	41	00	00	10	0	133	-
Infantilo	1	00	60		1	11	04	1	1	1	1		1	-	1	1	1	-	1	-	-	40	:
Premature Birth	1	-	1	,	04	29	4	1	1	1		00	1	-	1	1	*	63	1	1	:	6	:
3. Cynnosis	1	-	1	- 1	1	1		į	1	1		1	1	1	-1	1	1		1	-}	1		
4. Spina Billda	i	1	1	1	- 1	1	:	1	1	T	1	1	1	1	:	i	i	- 1	1	1	4	1	:
5. Other Malformations	1	1	1	1	- 1	-	4	1	1	-1	1	7		-1	- 1	1	-	1	i	-	-	i	:
6. Teething	1	1	1	1		į	- 10	-	Г	- ;	-	1		63	1	4	H	-	1	1		23	:
7. Injury at Birth	i	1	1	4	1	1	1	1	1	1	1	- 1		1	1	1	1	Ī	i	-	-	1	:
IVORDER 2. Dev. Dis. of Women	-	9	9		- 04	*		-	ï		-	00		7	01	60	1-	64	00	-	9	8	e
Dysmenorrhea	1	1	1	1	- 1	1	- 1	i	1	1	1	1		+	1	į	i	1	1	3	,	-1	•
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TABLE 71.—Continued.—Causes of Death, Classified.

											ပိ	E D	TIRB	, 18	888.											
CAUSES OF DEATH,-1883.	Mlasaukee.	Monroe.	Montesim.	Мовітогевсу.	Maskegon.	Newaygo.	Oakland.	Осеапа.	Оветам.	Ontonagon.	Osceola.	Oscoda.	Ottown	Ottawa.	Presque Isle.	.wanigas	Sanliac.	Schoolcraft	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
Child-birth	-	9	5	1	4	O)	60	-	H	4	-	1		00	-		77			01	1	01	9	122	88	63
2. Abortion	1	1	1	1	i	1	i	1	1	- 1	1	+	1	-:	1	+	-	-		-	-	-	01	1	_	
Uterine Hemorrhage	1		1	1	I	Ť	ì	i	i	+	-1	+	1	÷	1	+	1	+	1	1	1	1	1	1	1	1
IVORDER 3. Dev. Dis. of Old People.	1	16	12	1	9	69	37	*	1	н	10	- 1	1	16	- !		*	19	-	16	15 16		8 12	65	121	
1. Old Age	1	16	13	1	9	04	57	4	1	H	10	1	-	16	1		44	10		18 1	15 16		8 13	23	151	-
IV ORDER 4. Discases of Nutrition	1	10	- 1	i	7	Q4	Ol	i	1	64	64	+	-	03	-	_	55	-		-	10	60	00	9	19	-1
1. Atrophy and Debility	1	9	1	1	-	04	69	i	1	01	01	+	1	60	1	1	81	-		-	10	90	7	9	64	:
CLASS VVIOLENT DEATHS	7	14	11	1	8	10	15	10	T	6.0	13	-	-	19	69	00	99	9	94	191	61	9 13	H	11	106	64
V ORDER L-Accident or Negligence.	00	=	9	1	13	9	6	61	п	-	6	-	1	12	-		38	97	01	101	14	19	-	7	65	64
1. Fractures and Contusions	-	01	*	1	-	61	G-3	Ť	1	1	01	- 1	:	01	1	-	21		1	00	01	01	01	01	18	
2. Wounds	-	1	1	1	00	1	C)	7	-	1	1		1	-	+	-	10	- 1	1	-	1	1	04	-	-	1
3. Burns and Scalds	1	63	1	1	1	-	-	1	1	1	-	1	:	. 40	1	1	10	-		-	1	Ct	1	1	9	÷
4. Poison	1	1	1	1	1	1	01	;	1	1	-	1	:	- 1	1	-	-	-		60	-	- 7	01	-	9	1
5. Drowning	1	4	7	i	1	60	-	1	1	-	-	1	-	10	-	-	0	-			00	2 1	i	64	83	-
6. Suffication	1	7	1	1	1	1	-	1	1	+	1	1	1	÷	1	+	- 1	1	1	1	1	1	1	- 1	04	- 1
7. Otherwise	-	1	-	1	н	1	1	ri ri	Ť	1	4	1	;	01	1	1	4	-	1		69		-	-	00	i
VOrder 2. In Battle	i	- 1	1	1	1	1	1	1	i	+	1	1	1	1	-	-1	1	1	1	1	1	-:	- 1	- 1	i	= 1
VORDER 3. Homicide	i	1	1	1	1	1	i	1	1	-	1	1	1	1	1	-	1	1	-	01		6	1	1	60	i
1. Murder.	_!	1	-	1				Ť	-	-	-	-	-	-	-:	-	-	_	_	01	-	-5			03	

VORDER 4. Suicide	İ	F	1	_	1 04	01		1	1	1	-		i	=	=	01	5	T	=	<b>04</b>	=	04	1	-	12
l. Wounds	1	1				1	1	-	1	1	1	1	1	1	i	i	i	i	1	i	i	1	1	1	-
2. Polson	1	;	1	1	- 1	1	-	1	1	1	- [	1	1	i	i	i	1	İ	i	i	1	Ī	1	1	-
3. Drowning	i	1	-		-	1	:	1	1	1	1	1	1	1	i	Ì	i	1	1	-	i	-1	i	+	1
4. Hanging	1	1	;	1	- 1	1	:	-	1	1	1	1	1	1	Ì	i	1	i	i	1	-	- 1	÷	1	61
5. Otherwise and not Specified	1	-	!	1	1	C.F	1	1	1	-	1	-	1	-	н	01	i	1	-	-	1	04	i	1	80
VORDER 5. Execution			1	- :	-	i	:	1	1	- !	-	1	-	1	i	1	i	1	i	i	i	-	i	+	+
l. Hanging	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ť	i	i	İ	İ	i	İ	1	i	÷	1
VORDER 6. Violent deaths not in-	-	01		10		*	01		-	*			4		91	역	00	-	80	00	60	60	65	*	56
UNCLASSIFIED	1	- }	-	1	-	63	- 1	1	1	-	1	1	1	1	1	01	13	-	1	G4	-	G.5	1	1	-
1. Head Discase	1	1		1	7	I	1	1	1	1	1	-	1	1	Ī	i	Ī	Ť	1	i	Ī	1	- ;	1	1
2. Hemorrhago	1	;	:	:	-	1	- 1	1	1	1	1	1	1	:	į	-	T	-	i	1	-	1	1	1	00
3. Inflammation	1	1	-	1	1	1	:	1	1	-	;	1	- !	1	1	1	23	i	1	03	;	Q1	1	1	-
4. Otherwise	1	1	7	:	- 1	04	1	1	1	- 1	1	1	1	1	1	-	1	1	i	;		:	i	:	00
Causes not Specified	0	65	96	1 41	17	18	SI	1	01	13	1	*	88	30	÷	89	14	-	16	3	=	31	13	10	151
				١											-	*		-	-				1	1	-

TABLE 12.—Exhibiting, by Sex, by Mouths, by Specified Causes, and by Ages in Periods of Years, the Number of Deaths Returned for the Year 1883; also, by Sex, and by Specified Causes, the Number of Deaths Returned for each of the Years 1878-1883, inclusive. (Still-births included.)

DEATHS FROM ALL CAUSES.

1 1	Unknown.	292	163	136	4
1 1	.1970 bas 08	869	707	290	
	,C8 of 67	368	525	920	1
	70 to 75.	119	393	276	1
ا بر ا	65 to 70.	627	320	908	:
22	.60 to 65.	627	380	247	4
1 2	65 to 60.	200	500	201	1
I BY	.ññ o1 0ă	320	202	25	
	45 to 50.	480	25.1	233	1
8	40 to 45.	495	239	240	
AGEJ IN PERIODS OF YEARS1883	.04 or &8.	605	172	331	1
A 2	.dg os 08.	556	251	305	
7	¥5 to 30.	727	345	583	1
VO	20 to 25.	818	901	452	1
	12 to 30"	678	3:7	361	1
	10 to 15.	503	195	239	1
	.01 ot &	1019	503	516	1
	Under 5.	6469	3597	9819	53
	1878.	12766	6632	6082	55
	.9781	4407	7322	6818	37
	1880.	6102	8643	7410	13
YEARS	188T	19238	0263	8910	3
	1881	6123	8713	1992	8
	1883.	9069	1016	7748	22
<del></del>	Unknown.	19	30	10	1
	ресстрог.	1538	863	733	00
	Мотетрет.	1397	200	630	64
	.тэфо1эО	1401	755	641	10
	September.	1613	803	714	1
88	August.	1851	808	748	3
омтие, 1983.	July.	1439	164	890	9
Mox	Jane.	1334	687	561	
	-Yald	1430	730	9 007	•
	A pril.	1300	808	688	4
	March.	1374	720	649	9
	-Кергияту.	1134	280	549	ю
	January.	1066	579	483	-
j	SEX.	H	N	Ė	D

TABLE 72.—Continued.—Specified Causes of Death.

				Моктив,	TI		1883.							YRARS.	.118.							AG	83	X	AGES IN PERIODS OF TEARS - 1883	101	80	40	H	AR	an an	130	33		
SEX.	January.	February.	April.	.yald	June.	July.	August. September.	October.	November,	December.	Unknown.	1883.	1882,	1881	10881	1829.	1878.	CAUSES OF DEATH.	Under 5.	01 01 0	101010	15 to 20.	30 (0 52	25 to 30.	.6E of 05	'09 01 98	401045	'0g o1 gp	.60 to 55.	.00 os 60 j	.60 to 65.	.07 of 60 I	1 70 to 73.	.02 01 67	.Toyobda 08
Females.	00		71	:	-	:	;	-	01	61	-1	25	6	00	9	27	-	Abortion	1	- 1	- 1	-	1 1	_	4	00	-	- 1	Ė	- 1	- 1	_ (	:	:	-:
Females.	- :	1	1	÷	÷	1	-:	- 1	- 1	-	- 1		- 1	i	1	1	-	Abscess of Arm	1	- 1		:	1	:	1	1	1	- 1	:	-	:	1	. 1	1	:
Males		:	1	- 1	:	1	1	- 1	;	- 1	1	1	01	1	1	1	-	Abscess of Back	_!		-:	-!	-1	- 1	- 1	- 1	= 1	-1	i	:	1	- :	;	- 1	;
Females		:		:	1	+	- :	- ;	:	- 1	:	-	01	- 1	1		-		4	- 1	1	- 1	:	- 1	:	:	1	i	:	1	;	- ;		:	:
Total	1	- 1	- 1	-	-	-	4	-	:	-	- ;	20	7	00	*	-	-	Abscess of Bowels			*	1	-1	-	- 1	1	-	1	-	:	- ;	-		:	- ;
Males	+	:	- 1	1	-	:	-		:	н	- 1	00	-	61	00	-	1		-	-	-:	- 1	- 1	- 1	_1	1	-	T)	1	:	-1	-	1	- )	- 1
Females		;	- 1	-	÷	- 5	- ;	-	- 1	1	1	G.	4	-	1	1			1		- 1	1	1	-	1	1	1	:	-	:	- 1	- 1	:	:	- )
Males	1	1	1	:	1	- 1	- 1	-:	7	1	1	1	99	03	-	01	-	Abscess of Brain		-	- 1	1	:	- 1		T		1	1	1		7	- 1	:	-1
Females	1	1	- ;	:	+	1	- 1	1	1	1	.;	-	00	Q1	i	-	1		1	+	.:	- 1	1	1	- 1	- 1	1	:	:	1	4	:	- 1	1	-1
Males	:	- 1	1	i	-:	- 1	-	- 1	- 1	- 1	- 1	1	1	1	i	1	-	Abscess of Ear.	1	- 1	-	-	1	- ;	1	i	1	:	1	Ť	1	1	1	:	:
Males	1	- ;	. 1	;	:	- 1	1	1	- (	_1	- ;	1	i	1	1	-	1	Abscess of Groin	1		- 1	1	4	1	4	v	1	1	:	1	4	- 4		_;	1
Males	:	:	1	i	i	1	-	- 1	-	-1	:	Ī	-	1	1	1	- 1	Abscess of Hand	1	- :	1	1	1	1	- 1	- 1	Ť	1	1	-	1	1	-1	:	1
Females	+	1	1	i	1	1	1	1	1	1	1	j	1	-	1	1	1		1	:	1	1	- 1	- ;	- 1	1	i	-	1		1	- 1	:	;	- 1
Males	1	- 1	- ;	1	-	- 1	1	- 1	- 1	- 1	1	1	1	1	. 01	-	- 1	Abscess of Kidneys	1	-	-	1	-		I		1	i		1	-:	1	:	-1	1
Females.	:	- 1	- (	7	:	:	- 1	1	:	н	:	H	1	01	-	1	1		1	- 1	- 1	1	- 1	1	1	1	i	1	1	1	- 1	-1	1	1	1
Males		1	:	1	-	- ;	- 1	1	1	1	;	i	1	60	01	G9	1	Abscess of Leg	1	1	÷	- :	1	- 1	İ	1	i	- 7	-	÷		1		1	
Females	1	1	:	i	+	;	-	:		-	- 1	1	i	1	1	i	01		1	1	- 1	- 1	-:	1	1	- 1	:	-	1		- 1	-1	1		÷
Males	1	3	- 1	÷	+		:	1	- }-	- )	:	i	i	1	1	:	61	Abscess, Lumbar	1	1	-:	1	:	-1	1	1	;	1	1	:	- 1	1	:		-
Males	1	1	- 1	-	+	4	1	1		1	1	1	i	1	-	1		Abscess of Neck		1	1	1	1	1	1	1	i	1	-	1	:	1	1	1	
Malos					П			- 3	- 1	1				-				Abscess Pelvic		- 1	-	-						1		-					-

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72.—(
TABLE

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Males	1				64	100	i	1	01	10	-	-	2	Q1	1	Angira Pectoris	-	:	- 1	1	- !	3.1	:	·	+	.09	-	-	:
Total	4 12	00	12	-	1	14	9	0	2	88	87	1101	130	103	35	92 Apoplexy		-	61	1	01	7	10	œ	2	14 10	90	90	9
Males	6	H	94	01	4	6.0	10	95	*	88	2	69	12	00	67	27	1	1	1 20		- 6	-01	*	60	69	6 3	100	60	-
Females	64	04		51	10	-	-	9	200	979	7	7	63	43	43			i	1	-	63	CI	9	10	03	7		9	0
Total	03	9	6	7	4	114	60	50	**	51	8	36	33	30	30	Asthma	1	- 1	1	- 1	1		44	4	60	5 5	7	00	10
Males	1	+		89	-	- 0.1	01	04	63	8	65	17	83	55	16			:	1	- 1	1	114	57	Q1	64	64	9	9	*
Femalos.	01	10	10	- 14	00	**	1	-		8	16	61	16	11	14	77	1	1	-	1	1	1	64	64	-	60	ao	Q1	-
Males	1	-34			_	-	i	- 1		1	1	-	1	1	60	Atrophy	-	- 1	1	1	1	- 1	1		÷	1		= 6	- 1
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Unknown	1	1	-	1	-	- 5	1	- 1		H	-	н	-		64		-	- 1	+	- 1	1		÷	-1	÷	- 1	- !	- 21	-1
Males	71			9	-		1	1		1	1	1	1	Q1	1	Black Vomit	1	;	1	- 1	11	4	+		÷	- 1	- 1	1	3
Total	1			1	-		-	1		4	-	60	*	00	01	Bladder, Disease of	-	;	1	- 1	-1	1	1	-	1	01	- 1	- 1	4
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Females.	1			1	-	35	1	1		64	1	1	-	1	1		-	Ť	+	-1	1		ï	7	i	-1		100	1
Total	-			-	-	-7	70			17	9	10	16	9	10	Bladder, Inflammation of	-	1	69	-	-	- 7	-		00	01	61	04	-
Malos	1			*	4.	. 3	54			14	*	6	12	10	10		=	1	-	-1	н	- 1	7	4	01	01	61	69	1
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TABLE 72.—Continued.—Specified Causes of Death.

1	Unknown.	:		.:	1		1	1	1	10	ė1	60	1	1	1	:	- 1	4.	1	-1	3	1
	Tavo bas D8	1	1	1.		1	:	1	1	61	**	-		1	1	1	1	;	+	1	- 1	3
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883	70 10 75.	- 1	1	-	-	1	01	1	-	9	00	80	1	- 1	1		1	1	1		- 1	-
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00	.60 to 65.		- ;	C.F	Cd	- 1	-1	-:	- 1	15	7	00	1	-	:	:	1	1.	1	-	1	3
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4	.66 to 55.	-	. 1	00	-	-01	4	00	-	00	00	1	-	-	:	-	-	+	1	1	1	-
40	45 to 50.	-	1	1	1	1	00	01	-	-	0.5	4	-	-	-	1	:	:	1	- 7	1	3
DB	40 to 45.	- ;	;	:	:	;	-	-	4	10	4	9	1	1	1		-	-	1	-	-	
nro	.04 01 68	1	1	04	:	C.	CS	01	- 1	7	4	90	1	- 1	1	1	1	1	-	1.	-	
Periods	.68 of 08	4.	- ;	01	-	-	1	1	1	6	44	10		1	1	1	1	+	-	1	1	
N	1 25 to 80.	- 1		-	1	-	GS	04	-1	13	*	0	-1	1	1	1	-	1	-	:	:	li di
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	CAUSES OF DEATH.	sis of	e of	ption of			of			atlon of		"		tion of			of			on of		10
	CAUSES	Bladder, Paralysis of	Bladder, Rupture of	Bowels, Consumption of			Bowels, Disease of		:	Bowels, Inflammation				Bowels, Obstruction			Bowels, Rupture of			Bowels, Ulceration	= =	0 00
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	December.	1	- 1	60	01	1	-	00	1	36	133	13	:		1	1	-	-	-	1	-	
	November.	1	- 1	64	-	m	4	01	94	23	15	17	- 1	Г	- 1	m	1	- 1	- 1	-	-	
100	October.	1	:	00	1	01	10	4	-	53	14	0	1	1	1	1	1	1	1	1	1	
1883.	September.		:	9	-	01	7	4	00	65	15	14	-	-	-		1	1	1	-	-	-
1	August.	1	-;	-	2	01	90	60	10	88	=	1		:	:	1	-	.:	1	1	- 1	
ня	July.		:	01	1	64	00	-	04	56	=	9	:	:	1	1	1	1	-	1	-	
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	.Vinuas.	-	- 1	44		-	-	01		13	-	=	-	- 1	-	- 1	-		1	-	-	-
	SEX.	fales	Males	Total	Males	Females.	Total	Males	Females.	Total	Males	Females.	Unknown	Total	Males	Females.	Total	Malos	Females .	Total	Males	Fomalos

Total	Ŧ	1	-	69	1	÷	:	60	1	:	-	05	ī	Brain, O	Brain, Compression of	1	3	3	-	4	;	1	7	1	-	-	:		3	
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TABLE 72—Continued.—Specified Causes of Death.

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SEX.	January.	February	March.	May.	June,	Jaly.	AsuguA	September.	October.	November.	Десешрет.	Предости	1888.	1882	1881	1880-	.6781	*81St	CAUSES OF DEATH.	ЛТН.	Under 5.	.01 or d	10 to 12.	15 to 20.	20 to 25.	.08 01 62	30 to 35.	.01 of ck	40 to 45.	45 to 50.	.66 of 96	.08 of 66	.60 to 65.	.07 of 65	.67 01 07	75 to 80.	30 and over,
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TABLE 72.—Continued.—Specified Causes of Death.

| O CAUGES OF THE STR.  O DEATH.  D TO 10.  D TO | 6 4 Cholera 2 1  |  | 9 9  | 1 2 Chorea 3 1  | 1                    | 61  
   
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   |                                       | Colic, Billous 1   |   | 1   | 10 1 1   
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| CAUSES<br>OF DEATH.  | 6 4 Cholera  | 4 4  |  |   | , a                  |   
   
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   | Cirrhosis   | Closing Pyloric   Orffice.   | Clot in Artery  | Cold   
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   | 27                                    | 01   | -   | -   | 16   
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| 1882   | 133  | 9  | -  | 04  | 1                    | O.S   
   
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TABLE 72.—Continued.—Specified Causes of Death.

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	CAUSES OF DEATH.		Diarrhea, Chronic					***************************************	а				Drinking Cold Water	Dropsy of Bowels			Brain			Chest	"	· · · · · · · · ·
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TABLE 72.—Continued.—Specified Causes of Death.

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TABLE 72.—Continued—Specified Cauxes of Death.

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Pever, Continued    1   1   2   1   1   2   1   1   2   1   1	Females.	1			1	_	_	_		- 1	-	-	-	01	00	-		-			_	_	- 1	_	_	_		_	1	- ;	_	- 0
1   2   1   2   1   2   1   2   2   3   2   4   4   5   10   8   8   8   10   10   10   10	Males	- 1	_		1				- 1	- 1	-	60	7	-	- 0	<u> </u>	ver, Continued	*		- 1	1	. ;	1			. ;	_	_		_	_	- 1
1   1   2   1   2   2   3   4   5   5   5   6   7   7	Femalcs.	3		_	1.15	_	_		_		1	-		01		:			į	1	!		_	_		_	_		_	_		Test
1   2   2   2   2   2   2   2   2   2	Total	-			-	1	_	_		- 1	9	7	11	00	0	90	ver, Gastric		F	_	_	- 1		-	_	1	_	_			_	- 1
2 9 - 3 1 2 9 - 5 2 9 - 1 - 12 2 3 4 45 32 46 47 Fevor, Informittent 11 3 1 1 1 1 1 1 1 1 1 1 1	_	7	_		111	1	_	_	_		64	9	-	O1	60	09			H		_	-3	1		_	:		_	_	_	_	
2 2 2 3 1 2 2 5 2 2 21 34 45 32 46 47 Fevor, Intermittent 11 3 1 1 1 1 1 2 .		- 1	-	1	-	1	1	_		- 1	-	00	1-	9	L	9		-	i	1	1	- 1	- 1	77	_		_	_	_		-	- 1
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1 5 9 4 4 6 4 4 16 13 5 7 2 8 1 98 102 31 10 5 Fover, Malarial 5 1 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2	Males			-	2 1	- (	_	_				123	19	16	90	24			9	64		_	_	_		1			_	_		-
1 6 9 4 4 6 6 13 5 7 2 81 98 102 81 10 5 Fover, Malarial 21 8 2 8 11 3 4 9 4 1 1 1 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Females.			- 1	1	1	_	63	_	- 1	6	G)	26	16	20	23		-	10	-	4	_	г	=	_	_		_	1	- 1	- 1	-
2 3 4 1 2 3 2 7 6 4 5 2 41 48 45 18 4 1 " " " " " " 19 3 1 4 5 1 2 4 9 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Total		9	*	6 4	*			_	01	-		50	31	0		ver, Malarial	-	22		_		00	4	7	7	-	91			_	
1 4 6 . 3 4 1 2 9 7 1 2 . 40 50 57 13 6 4 i Fever, Menstrual 9 5 1 4 6 2 2 5 2 1 2 . 1 1 1 2 3 1 Fever, Milk Montain 1 1 2 3 2 1 Fever, Montain 1 1 1 1 1 3 3 2 8 5 Fever, Norvous 1 1 1 1 1 1 1 1 1 3 3 2 8 5 Fever, Norvous 1 1 1 1 1 1 1 1 1 1 1 1 1		09	4	1	00	01	10	6 4	10	O.F	17	80	45	18	-	-		-	23	00	7	10	-	01	01	_	_	_	_	-		1.2
1   2   3   1   Fever, Menatrual   1   1   1   1   1   1   1   1   1		4	9	60	4	63	_	7	_	- 1	40	05	22	13	9	*	;	****	_	10	4	9	Q1	_		_	1	7	1	П		- 1
1   2   3   1   Fever, Milk.   1   1   1   1   1   1   1   1   1	Females.	1	- 1	. 1	1	1	-	_	. 10	1	1	-	-	1	- 1	1	ver, Menstrual			1	1	1	_			1				1		- 1
Fever, Monntain 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Females.	-	-	_	1	-:			1	1	-	69	60	1.	-	1	ver, Milk	*****		-	:	1	_		_			_		. ;	-	- 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Males	- 1		_	- 1			_	- 1	- ;	1	1	01	-	1	1	ver, Mountain	-		_		- 1				-1	_			- 1		
	Total	- 1	- 1	- 1	1	H	_	-	1	- 1	00	00	09	00	_		ver, Nervous		1	-	- 1		:	1	-		i	+		- 1	. ;	H

TABLE 72.—Continued.—Specified Causes of Death.

	-	1	-	× .	Можтив,	HS,	1883.	2	1	1	1-	1		×	YEARS.	1	1.					A.	Agres	M -	P.	PERIODS OF	80	AO.	XE	E.		7 -	YEARS.—1883.	1883.
SEX.	January.	February.	AltqA	May.	June.	July.	August.	September	October,	November.	December,	1883.	1881	.1881	1880.	.e78£	.878I		CAUSES OF DEATH.	Under 5.	1 b to 10.	1 10 to 15.	15 to 20.	25 to 30.	30 to 35.	1 32 to 40.	. de to 45.	.06 of 6k	.66 to 55.	.09 oz čč	'gg o1 09 1	'07 O1 C9 1	1 70 to 75.	
Males	i	1	1	1	1	1	- 1	н	-	÷	+	-	91		1 2	04	1	Fever	Fever, Nervous	1	1	- 1	÷	-	1	- 1	- 1	1.		- 1	1		- 1	1
Females		1	1	1	1	- 1	п	Ť	1	÷	+		-	00	1 8	00	1	:		1		-1	÷	1	- ;	- 1	- 1	- 1	- 1	1	1	$\overline{}$	- 1	1
Total	;	1	4	- 1	1	1	4	01	-	1	-	-	9	***	9 13	-	-	9 Fever,	, Remittent	01	- 1	-	i	:	-	- 1	- 1	- ;	- :	-	- 1	_	- :	C4
Males	1	1	1	- ;	1	1	- (	01	H	-	-	-	19	Q1	2	00	-			61	- 1	-	i	- 1	-	- 1	- 1	- 1	;	- 1	1	_	- 1	04
Females	1	+	1	- 1	- 1	-1	- 3	i	-	-	-	-	-	C)	4					1	- 1	1	- 1	1	-	- )	- 1	- 1	- 1	- 1	+	_	- 1	- 1
Total	1	H	01	03	-	G4	1	i	÷	1	00	-	12	10	01	-		6 Fever	, Rheumatic	1	C.	-	- 1	-	-	61	61	-1	- 1	-	-	-	-	1
Males	1	1	-	-	-1	- 1	1	÷	1	17	21		4	65	7 3	00		51		1	н	H	1	-	1	1	-	-1	- (	1	1	- 1		1
Females .	-1	-	:	63	-	04	-1	÷	Ť	-	-	-1	00	1	69		-	:		1	1	1	:	=		04	-	= ;	;	1	-	-		- 1
Total	9	15 15	2 2	***	10	200	00	KG	00	9	2	1 10	6 10	97 13	12 961	47	63	Fever,	, Spinal	90	8	90	9	00	01	- 1	G\$	-1	80	-1	+	- 1		01
Males	7	00	9 7	-	*	4	NO.	4	10	60	9	1 6	61 5	52 7	72 35	67	25		***************************************	40	00	9	61	F	-	1	1	1	7	1	+	- :		-
Females	24	7	6 4	00	9	48	\$5	н	60	63	+	-	4	9 21	4 36	56	88	=		30	10	64	*	- G4	1	- 1	-	- 1	Ol	-1	÷	-:		Н
Total	4	-	10	1	;	-1"	;	i	+	+	1		60	61	9		1	Fever,	, Spotted	C4	н	- ;	i	+	+	- 1	- 1	-4	)	-	1	1		- 1
Males	ì	-	1 1	1	1	4.	1	÷	÷	+	1	_	61		19	-	1	=		-	-	- 1	1	÷	1	1	1	1	:	1	+	-		1
Females	÷	- :	-	14.	1	- 1	:		:	1	1	_	1	01	4	1	- 1	=		-	1	- 1	i	+	+	- !	- 1	- ;	- 1	-	1	- !		- 1
Total	19 29	25	13	17	19 17 22	83	49	20	67 3	38 52	_	2 439	9 463	884	4 513	397	333	Fever	, Typhoid	20	8	28	99	17	45 28	83	10	16	16	90	16	6 2		40
Males	8	15 19	91 6	15	12	00	81	36	60	20 29		252	2 269	9 491	1 285	130	176			83	13	21	37	46 31	1 17	13	0.0	10	00	9	=	3 7		п
Females., 11 14	11	4 13	00	10		7 15	20	34	24 1	18 23	1	187	193	3 393	3 228	207	153			25	98	16	88	25 1	11 11	6 1	7	9	90	Q1	10	01		00
Unknown	1	1	. 1	1	- 1	1	-1	÷	- 5	- :	- 1	1	-	1	1	ı	1	=	***************************************	1	1	1	i	+	1	- 1	3	:	1	T	-	1	-	1
Total	Q1	1	-	- {	1	1	:	4	- 1	00	-	-	1 32		6 6	7	8	Fever,	, Typho-malarial	63	1	-	1	-	9	-	:	1	. 1	- 1	-			-
Males	64	+	-	- 1	- 1	. 1	:	100	- 1	01	-		9	19	23	*	.0	:		O.	- 1	-	i	1	10	-		1	1	1	-	- ;		-
		_			_																													

Total   2   1   6   -   -   -   1   1   -	n lu	13	Ħ	H	b Fever, Typhus	6  4   4     4  4    1    1
Males 2 - 4	1-	3 10	9	9	= = =	8 1 1 1 1
Females	7	6	10	00	: :	_
Total 7 2 9 3 10 2 4 7 7 5 11 6	73	1 96	105	65	66 Fever (Unspecified)	33 4 8 5 8 5 1 1 1 2 1 3 3 1 1
Males 4 1 5 2 5 1 2 1 2 5 6 3	37	22	13	8		18 1 2 2 3 3 1 1 1 2 1
Females. 3 1 4 1 5 1 2 6 5 5 3	36 37	41	3	40	31	15 3 1 3 5 2 1 1 1 3 1
Unknown	1	1	1	- 1		
Males	1	1	01	1	Fistula	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Females	1	1	1	1		
Males	1	1	- 1	:	Fracture of Arm	
Total 2 1 1 1 1 1	7	2 6	00	1	4 Fracture of Leg	
Males 2 1 1 1 1	9	9	*	4	2 2	
Females	-	1	*	80		
Males 1 1 1	C1	99	-	. 1	1 Fracture of Neck	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Females	1	1	-		: :	
Males	1	1	1	1	2 Fracture of Ribs	
Females	-	1	1	г		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Total 29 29 29 29 29 29 29 29 29 29 29 29 29	10	2	-	-	3 Fracture of Skull	1 2 20 20 20 20 20 20 20 20 20 20 20 20 2
Males 2 2 1 1 2	00	9 1	-	7		1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Females 1 1	04	-	1	1		1 - 1
Males 1 1 1	60	*	63	Ħ	3 Fracture of Spine	
Females	1	-	-	1		
Total 1 1	01	1	23	Oi	Fracture	1 1
Males 1	-	1	64	63		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Females	-	1	1			
Males	1.	60	00	4	2 Freezing	
Females	1	1	1	н		
		-	ļ			

TABLE 72.—Continued.—Specified Causes of Death.

				M	MONTH	THE	8, 18	1883.			5				Y	YEARS,								AGES IN	10	IN	PERIODS	RIOI	DE	40	YE	OF YEARS1883.	1	188	65		
SEX.	January.	February.	Хатер.	April.	May.	July.	August,	September,	October.	November.	December.	Unknown.	1883.	1882,	.1881.	1880.	-628t	-	.8781	CAUSES OF DEATH.	Under 5.	2 to 10	10 to 10.	10 00 10	20 to 32,	32 (0 30	30 to 35.	.01 of 68	40 to 45,	45 to 50.	.50 to 55.	55 to 60.	.60 to 65,	65 to 70.	.67 01 07 1	79 01 92	SO and over,
Males		1			1		1		1	-:		1	i					_		Fright	1	1 1	:	1	1	1	1	1	:	:	1		1	1	1		1
Females.	- 1	1	1	-	- 1	-	- ;	- 1			- 1	ः	- 77	1	-	- 1	1	- 1	1		+	- 1		-!	1	- 1	- 1	-	- ;	- !	1	- ;	- ;	1	- 1	- 1	- :
Females.	- 1	-:	+	-	-:		- 1	- 1		- 1	. 3	- 1	-		1	- 1	1		1	Fungus Hamatodos	1	1	-;	-!	- }	- :	- 1	- 1	ુ:	- 1	- ;	- :	-:	1	;	- 1	:
Males		- 1	÷	- 1	- 1		- !	- 1	- 1	-4	- ;	- 1	į				01	+	9	Gall, Disease of	1	+	- 1	- 1	1	1	- 1	- 1	1	- 1	- 1	1	- 1	- 1	- 1	- 1	:
Females	i	+	i	+	1	- 1	- 1	-	- ;	_ :	- 1		1	- 1	- 1			1 00	- ;	, , , , , , , , , , , , , , , , , , ,	1	-	- ;	- 1	- 1	-:	- :		-:	- 1	-1	1	- 4	-	:	- 1	:
Males	$\exists i$	- 1	÷	- ;	- 1	- 1		- 1	-	- ;	-	-:	64	- 1	C9		_	-		Gall-Stone	1	+	- }	- !	- 1	- :	- 3	-	- 1	- 1	_;	:	. 1	-	:	- 1	. ;
Females.	:	i	+	-	1	-:	- :	- ;	- ;	- ;	- 1	- 1	1		_ [		_1	-!	1		+	- 1	- ;	- 1	- 1	- 1	- 1	:	. 1	- :	_}	:	- ;	- 1	- ;	- 1	
Total	-	01	_	60	-	Q4	O1	1	-	4	01		18	-	10	=		10	11 6	Gangrene		-	- :	- 1	_	-	1	-	- 1	_:	_(	- ;	- 7	94	01	10	9
Males	H	=	1	9		-	_:	- ;	_	60	-	- ;	10	-	65	-	_	7	6	3	+	- 1	- 1	_ ;	- 1	-	:	1	- 1	- 1	- 1	1	- 1	U	-	*	*
Females.	7	-	-	-	-;		04	:	- ;	-	-	. ;	00		C.s		10	- 00	CF			-	- 1	- !	- 1	-:	- 1	1	- 1	- ;	-4	:	1	93	н	F	04
Males	7	-	+	1	- }	- 1	- 1	4	_1		- 1	- ;	-	-			_	01	1	Glandular Disease		-	- 1	- }	- 1	- 1	1	- 1	- ;	- ;	;		1	-	1	1	- 1
Females.	- ;	i	- 1	-;	- 1		_:	- 1	- 1	- 1	- 1	- 1	1	1				-	-		-	- 1	-	- 1	1	- 1	:	1	1	1	1		1	. 1	-:	1	- 1
Males	i	1	1	!	- 1	- 1	- 1	- 1	- 1	_ ;	- 1	- 1		-		1		-	9	Goitre	-	1	- !	- 1	- 1	:	- 1	:	- ;	- 1		1	1	1	- (	-	- 1
Females	1	i	÷	-	- 1	1	- 1	- 1	- 1	- 1	- 1	- 1	1	-	-	. !	1	1	1		1	:	-!	1	- 4		- :	- 1	- 1	- 1	- ;	- 1	- 1	- 1	-:	-	:
Females	- ;	1	1	1		- 1	-1	_:	-:		- 1	- ;	1	- 1	-	1	- }	4	:	Gonorrhea	i	1	- :	- 1	:	- 1	- 1	. 1	-4	- 1	1	-:	- 1		-		:
Males	1	1	- 1	- ;	1	-:	- 1	- 4	- 1	:	-:	1	1	- 1	1			- !	9	Gout	1	1	- 1	1	- 1	- 5	_ !	_1	- }	- ;	- 1	1	-1	1	1	1	- 1
Total	i	-1	-	F	63	64	1	-	64	60	60	- 1	16	7	=	2	55		23 G	Gravel	-	-	- :		- 1	1	- 1	69	- 1	:	64	0.4	01	00	1	09	01
Males	1	1	-	-	1	61	:	1	64	04	01	-:	14	*	25	8	8		21		- !	-	- ;	-	- 1		- 1	64	;	- ;	94	-	64	00	1	-04	01
Females	1	-	:	-!	- :	- :	- !	- 1		-	-	- ;	61	1	-	-		-	64	*	,	-	-	_!	- 1	- 1	- 1	_ [	- :	- 1	- 6	-	1	1	-	1	:
Males	i	- 1	- 1	-!	- 1	_1	- :	- 1			;	;	1	1	1	ı		-	9	Groin, Rupture of	1	-	-	1	- 3	- 1	- :	:	_1	:			-;	-:	-:	1	- ;
Total 5	NO.	_		_	-		•	_	-				1	1	1	,			B		_	_	_	1			_	_			_	-		_	1		

TABLE 72.—Continued.—Specified Causes of Death.

				Z	MONTH	HS,		1833				_			M	YEARS.									P	AGES IN				PERIODS	6	OF YEARS1883.	3	ģ	ř	ž		
BEX.	January.	February.	March.	May.	Jane,	Auly.	August.	September.	October,	November.	December,	Unknown,	,1883.	1882,	.1881.	1880°	'6LST	.878I		CAUSES OF DEATH.		Under 5.	1 5 to 10.	10 to 12	12 10 20.	20 10 25.	,06 of 52	1 30 to 32.	35 to 40.	40 to 45.	45 to 50.	.66 to 55.	.00 01 55	.60 to 65.	65 to 70.	70 to 75.	72 10 80	1 80 and over.
Males	_	1	- 1	- 1		- ;	- ).	1	-	- }	- 1	:	-	1	1	;	Ē		Heart,	rt, Ossification of	1			-	- 1	1	- 1	- 1	_ [		-:	- ;	- ;	1	- 1	:	1	- 1
Females	,	1	- :	- 1	:	- 1	- 1	- :	1		4	:		-	1	1		1	*	,	1	1	- 1	1	- 1	- 1	- !		-:	- 1	- 1	1	- ;	- (	1	- 1	1	- ).
Total	90		-	-	64	01	-	1	н	-	91	:	11	15	127	15	15		12 Heart,	rt, Paralysis of	1		- ;	-	_!	- 1	- 1	-1	- 1	н	-	-	-	H	O.S.	*	G4	- 1
Males	00	1	1	1	;	-1	:	-	. 2	-	01	- 1	1	11	18	9	13	00	:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	į	- 1	-		- 1	- 1	- ;	;	- 1	-	-	п	_;	09	-	;	- ;
Females	-	- 1	;	н	04	64	-	- 1	н		- 1	* 1	1-	4	9	6	10	_		,	1	Ì	- 1	- 1	- 1	- 1	- 1	1	:	-	- !	- 1	- ;	-	- ;	40	01	- 1
Males	•	1	1	-	1	1	-:	:		- 1		1	-	-	1	1	1	=	Heart,	rt, Rapture of	-	1	-:	- 1	_;	-:	- 4	- 1	:	- 1	- 1	- ;	-	- 1	- ;	- :	:	- 1
Females.	-	- 1	1	1	- ;	-1	- 1		- 7.	:	-	:	1	1	-	-	-	- 1	2	,	1	-	- 1	- 1	- 1	- ;	- 1	1	:	- 1	- 1	- 1	- 1	:	- ;	- 1	- 1	:
Males	-	1	- 1	- 1	1	- 1	- 1	:	- 1	-	-	:	QR	-	-		-		Heart,	rt, Valv. Disease of	-	-	_:	- 1	- 1	- 1	:	- ;	- 1	1	:	- 1	- ;	:	1	- )	1	- 1
Females.		:	-	- 1	- 1	:	- 1	- 1	3	- 1	1	-		1	1	1	1	00	3	, , ,	-	1	-1	- 1	- 1	- 1	1	- 1	- 1	- 1	-1	1	- ;	- 1	- ;	- 1	1	- 1
Males	1	1	-:	-:	- 1	- 1	- ;	-:	- 1	:	1	- 1	1	1	1		OI.	i	Hem	Hemorrhage of Bladder	1	1	- 1	- 1	_ 1	- :	- 1	- 1	-4	- 1	- 1	- 1	- 1	- ;	- (	-1	T	
Total	-	1		1	- 1	- 1	C1	01	H	-	-	- :	6	10	00	90	7		5 Hem	Hemorrhage of Bowels	- 1	00		- 1	- 1	01	- 1	- 1	-	1	- 1	. 1	-	-	- 1	- 1	1.1	-
Males	-	4	-	-	1	-1	-	-	- 4	4	1		4	00	00	5	90	7			-	1		- 1	-1	_:		- 1	-	U.	- ;	- 1	1	-	-1	- 1	1	-
Females.		1	1	- 1	- 1		-	-	н	-	æ	1	13	64	1	00	10			*	1	63	1	-1	- 1	04	- 1	- 1	;	18	- 1	1	1	:	- 1	- 1	1	- :
Males	- 1	-1	1		:	- 1	- 1	- 1	1	- 1	-	×	01	1	-	64	1	61		Hemorrhage of Brain.	1	1	- 1	- 1	- 1	- 1	- 1	1	1	-	- ;	:	- ;	- 1	- 1	- 1	- 1	1
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TABLE 72.—Continued.—Specified Causes of Death.

				Mo	Монтив	-	1883							YEARS	38.							AGES	18 I	IN P	KRI	OD	PERIODS OF		EAR	Ţ	YEARS1883.			
- managet	January.	March.	.flrqA	May.	-Sune	July.	August.	September,	November.	December.	Unknown.	.E881	1881	1881	.088I	-628t	.878.	CAUS	CAUSES OF DEATH.	Under 5.	1 5 to 10.	1 10 to 15.	20 to 25.	08 of 62	30 to 32.	1 39 10 40	45 to 50.	.66 ot 96	1 99 10 90	.60 to 65.	1 65 to 70.	70 to 75.	Jevobas 08	Unknown.
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	00	22	03	63	01	*	-	10	10	4	-1	52	45	36	36	40	45			00	+	+	01	01	:	:	-	-	01	10	-	-	-	-
	-	63	10	20	91	4	10	-	6 8	00	1	8	42	13	39	4	4			00	-	51	10	1	10	ю	-	-	69	-	9	-	=	-1
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TABLE 72.—Continued.—Specified Causes of Death.

			-	YEARS.	-	1		AGES IN PERIODS OF YEARS,—1883.	AES.—1883.	3
1880,   1880,   1882,   1883	1881 1883 1883	1881, 1880,	1880	- 1	-62ST	*848T	CAUSES OF DEATH.	Under 5.   10 to 10.   10 to 15.   10 to 25.   20 to 25.   30 to 35.   30 to 35.   45 to 30.   45 to 30.   45 to 40.   45 to 40.   45 to 40.   45 to 50.	60 to 65,   65 to 70,   70 to 75,	75 to 80,
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2 6 10 13			13		10	60				1
4 6 83 84 123 58	83 84 123				31	88	Meningitis, Spinal	48 9 7 4 4 1 2 1 2 2	1	61
3 4 43 42 76 38	43 42 76	92			91 9	15		25 4 4 2 4 1 1		91
1 2 40 49 47	40 49 47	47	111		20 15	13		23 5 2 1 2 . 1 2	1 1	1
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62 63	2 5 6 1 2 1 Mumps.	C1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 11 6 15 9 1	1 8 10 5 10 5 "	1 3 1 1 5 4 "	Necrosis.	1	9 12 10 4 6	51 63 63 60	6 9 8 1 4	12 14 8 8 5	64	10	1 Nightmare		647 725 625 609	317 360 317 294 281 "	330 365 308 315 298 "	1 Oplum Ea	1 Osteo-sarc	1 1 1 2 Ovarian D	5 11 14 11	80	-
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TABLE 72.—Continued.—Specified Causes of Death.

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TABLE 72.—Continued.—Specified Causes of Death.

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	45 to 50.	1 :	02	00	;	1	1	1	- 04	0.4	1	00	0.0	- 1	1	1	1	- 1		-	-	
0	.01 01 0k	1	00	9	03		- 1	;	. ;	;	. ;	9.9	-	04		-	- 1	-;	- ;	60	-	64
AGES IN PERIODS OF	.0k of 55	1 .	7	9	-	-1	1		-	-	. :	-	1	-	-	- 1		- ;	- 1	00	-	01
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K	20 to 25.	1	20	20	- 1	1	- 1	-;	68	-	-	-	-	- 1	1	1	1	-	1	00	1	10
00 I	15 to 20.	1	=	H	1	1	1	:	- 1	1	1	60	69	-	63	1	64	+	-	01	-	-
A	10 to 15.	1	00	00	-	- 1	;	1	-	1	-	*	63	1	1	1	1	-	-	-	1	-
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	CAUSES OF DEATH.	tls	and Accident			Rheumatism of Bowels	Rheumatism of Brain	" "	Rheumatism of Heart			heumatism, Inflammatory		" "	Rheumatism, Sciatic			Rheumatism, Spinal		Rheumatism		
		Rachitis	Railroad	:	=	Rheni	Rheur					K			Rheur			Rheur		_		
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	.6781	-	40	38	01	1	-	-	10	4	9	52	-	14	00	-	00	1	-	96	88	22
RS.	1880.	01	40	22	00	1	1	-	18	133	10	553	13	10	00	00	1	i	1	31	121	10
YEARS.	1881	-	75	68	1-	1	-	1	35	18	7	88	19	14	9	7	Ci.	:	1	48	12	5
	1882,	-	28	533	13	-	1	:	22	15	9	16	0	7	00	63	1	-	****	99	38	30
	1883,	1	100	100	6	1	1	1	83	16	1-	68	17	12	9	01	7	1	1	2	81	12
-	Unknown.	:	1	1	1	:	1	:	1	;	1	1	1	-	:	1	1	-	1	1	1	-
	December.	:	2	133	1		:	-1	-	H	:	-1	1	-	1	:	- 1	1	-	69	-	7
	November.	1	00	00	:	1	:	:	10	4	1	00	-	64	-	-	1		-	00	-	01
	October.	:	6	7	G4	1	1	1	-	-	;	-	-	:	1	:	1	- 1	-	H	-	H
52	September.	- 1	17	16	-	:	1	:	G3	0.9	13	4	00	H	03	:	4	*	19	-		4
1883.	August.	1	H	3	:	:	:	:	+	-	:	60	A	67	1	1	1		4	00	-	7
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	March.	1	4	40	-	1	1	:	25	1	18	0.0	200	174	T		-					7
	February.	1	60	00	1	1	1	-	1													
-	January.	1	03	00	1	3.	:	11														
	SEX.	Females.	Fotal	Males	Females	Males																

TABLE 72.—Continued.—Specified Causes of Death.

				K	MONTHS	LII8		1883.							YEARS.	â						Agr	88	M	PEH	TOD	ges in Prinods or		YEARS1883.	62	-188	00		
SKX.	January.	February,	March.	May.	'anne'	July.	August.	September.	October.	Хочетрег.	December.	Unknown.	18881	1881	1881	1880.	'648T	'84ST	CAUSES OF DEATH.	Under 5.	2 10 10	10 to 15.	.62 of 02	.08 01 62	30 to 35.	'0† 01 gg	40 to 45.	45 to 50.	.06 to 55.	e0 to e2°	62 to 70.	70 to 70.	75 to 80.	Onknown.
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Males	1	1	- 1	4	- 1	- 1	i	-1	4	1	1	1	1	1	03	1	1	1	Snake Bite	1	÷	- 1	-	- 1	- 1	- 1	1	-	1	- 1	- 1	;	-	1
emales	i	÷	- 3	- 1	1	1	- 1	- 1	- 1	1	- 1	i	1	-	1	1	i	1		1	Ť	+	!	1	-	- 1	1	<del>-</del>	- 1	- 1	- 1	- 1	1	- 1
Males	1	-	1	1	1	- 1	_;	- 1	- 1	- 1	- 1	7	-	-	i	1	1	1	Spina Bilida	1	1	- 1	- 1	- 1	- 1	-1	;	i	1	1	- 1	-:	-	+
Females.	1	÷	1	:	1	- 1	;	- 1	- 1	1	- 1	i	i	1	7	1	1	-		1	i	1	_	-	- 1	-1	i	1	1	- 1	- 1	- ;	- 1	÷
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Females.	9	10	10	00	80	10	4	•	00	10	68	1	65	45	75	33	22	88		87		1	4	_	_1	-	01	1	60	01	24	-1	1	-
Unknown		÷	1	1	1	1	_ 1	- ;	- 1	- 1	1	1	i	i	1	-1	7	1		1	1	+	_	- 1	4	- 7	:	1	- 1	- 1	- 1	- 1	1	÷
Males	1	1	1	- 1	- ;	1	- 1	- 1	- ;	- ;	- 1	÷	1	-	93	-	1	G4	Spine, Inflammation of	1	1	1	-	- 1	- 1	1	1	-	1	1	- 1	1	1	1
Females .	- 1	1	- 1	1	- 1	- 1	- ;		-4	-7	-1	1	;	1	-	-	-	1		1	1	- 1	- 1	1	- 1	1	i	1	1	+	;	-1	-	1
Males	÷	1	;	;	1	1	- 1	+	+	1	;	7	- 1	-	1	*	1	64	Spine, Injury of	1	i	1	-	- (	- 1	1	i	÷	+	-	1	- 1	1	÷
Females	i	÷	+	1	- 1	-	- ;	.4.	- (	- 1	4	÷	1	-	04	-1	-	1		1	-	+	-!	- 1	- 1	1	1	÷	1	1	1	:	-	1
Males	1	÷	1	1	1	i	- 1	-	- 1	- 1	1	:	;	01	-	60	-	00	Spine, Paralysis of	-	÷	÷	- 1	:	- ;	- 1	Ť	÷	-	-;	- ;	- ;	:	i
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Males	-1	H	3	- 1	- 1	- 1	- 3	1	3	- 1	1	1	-	-	-	7	*	69	Spleen, Disease of	1	÷	- 1	:	- 1	:	1	7	:	+	-:	.:	- 1	1	i
emales	1	i	:	1	1		:	1	1	. 1	:	÷	1	00	*	10	-	69		1	- 1	+	1	- 1	- 1	1	1	i	1	:	:	- 1	1	1
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TABLE 72.—Continued.—Specified Causes of Death.

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	CAUSES OF DEATH.	Stricture of Urethra		Stricture	Suffocation	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Suicide		*	Sun-stroke	4	Surgical Operation	Syncope		Syphilis			Tane Worm			Teething
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Townson Rose Infam of	Lock-jaw)		sease		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Throat, Inflammation of		" "	Throat, Paralysis of								is	of Brain	, ,	Back	Bladder	Bowels		Brain	
" "	etanus (		hroat Di		:	hroat, In		:	broat, P	=	hrush	=		-	onsilitis.		richinias	abereles	=	umor on	umor of	umor in		umor of	
"   22	5 Tetanus (Lock-jaw).	=	14 Throat Disease		= 00	8 Throat, In	0	=	1 Throat, P	*	3 Thrush	1 "		- "	Tonsilitis.		Trichiniasis.	1 Tubercles of Brain		Tumor on Back.	Tumor of Bladder	Tumor in Bowels	3 "	1 Tumor of Brain	
14 22 11	5 Tetanus (		34 14 Throat Di		** 8 91			**	1 1 Throat, P	*	6 3 Thrush	1 1 "			1 Tonsilitis.	***************************************	1 Trichinias	1 Tubercles	-	1 Tumor on	- Tumor of	Tumor in	2 3 4	4 1 Tumor of	
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100	1 0	1 8	S4 14	18 6 **				1 8	2 1 1 Throat, P	-	6 3	1 1	9 4 6 29 4	- " " " "	4 1 Tonsilitis.	1 4 "	1 Trichinias	1 1 Tubercles	1	1 Tumor on	1 Tumor of	-	63	4 1	
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TABLE 72.—Continued.—Specified Causes of Death.

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TABLE 72.—Continued.—Specified Causes of Death.

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188	,07 or 68 i	. 1	1	1	1	1	1	- 1		:	-	1
7 1	.60 to 65.	1	- 1	1	-;	1	:		:	:	:	1
BB	'09 01 99	- 1	1	1	130	1	1	1	1	1	:	
EA.	.66 ot 06 l	. :	1	1	1	1	.1	1	:	1	1	:
4	42 to 50.	- 1	1	-	:	1	1	1	1	:	-	1
0	.08 of 04		1	:	1	1	1	1	:	:	-	1
ODE	.01 os de	:	:	1	-	-	1	1	1	1	1	1
KBI	.68 or os	-	1	:	1	- 1	1	1	1	1	-	1
P	25 to 30.	1	1	:	1	1.	:	1	1	:	1	:
N	50 to 52°		1	1	1	1	1	1	:	1	1	1
AGES IN PREIODS OF YEARS 1883.	15 to 20,	-	1	1	- 1	1	1	1	1	:	1	1
AG	'91 01 01	:	1	- 1	1	1	1	-1	1	1	1	-
	01 01 0	-1	1	2	H	4	1	-	-	;	1	:
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		1	-	1	-	1	1	-	:	1	-	1
			1	1	1	1	1	-	1	:	1	1
	H.	1	1	1	1	1	-	1	1	1	-	1
	AT	1	1	1	:	1	10	:	1	1	1	1
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		White Swelling	=	Whooping Cough		88	Windpipe, Obstruction of	Winter Cholera	8 Worms.		1 Wounds	1
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		1		162 132	77 64	88	- T		80		1 1	G9
ARS.	-878t		-	964 162 132	119 77 64	145 85	d		80	4 4 8	2 1 1	69
YEARS.	.8781	1		162 132	77 64	72 145 85	- T		80		1 1	G9
YEARS.	.088I .978I .878I	1	-	964 162 132	119 77 64	145 85	d		80	4 4 8	2 1 1	69
YEARS.	. 1881 . 1880. . 1879. . 1878.	1	1	142 264 162 132	70 119 77 64	72 145 85			60	4 4 00	4 2 1 1	69
YEARS.	.881. .081. .1881. .281. .281. .281.	2		92 86 142 264 162 132	40 43 70 119 77 64	52 43 72 145 85		64	1 01 09	60 4	3 5 4 2 1 1	69
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YEARS.	December. Unknown, 1882. 1882. 1881. 1881. 1879. 1879.	2 1		92 86 142 264 162 132	- 40 43 70 119 77 64	52 43 72 145 85		83	1 01 09	01 01	3 8 5 4 2 1 1	C+
YEARS.	Хочетбет.  1878.  1882.  1882.  1882.  1882.  1882.  1882.  1882.  1882.  1882.  1882.	1		10 92 86 142 264 162 132	5 40 43 70 119 77 64	5 52 43 72 145 85		OI .	1 2 3	1 20 20 4 4 4 50	. 3 . 3 5 4 2 1 1	69
	Остобет, Мотетрет, Потетрет, Потетрет, 1883. 1882. 1882. 1882. 1880. 1879. 1879.	2		9 10 92 86 142 964 162 132	3 5 40 43 70 119 77 64	6 5 52 43 72 145 85		61	00 00	01 01	3 5 4 2 1 1	69
1883,	September. October. Movember. December. 1883. 1882. 1882. 1882. 1882. 1883. 1883. 1883.	2		6 9 10 92 86 142 964 169 132	3 8 5 40 43 70 119 77 64	3 6 5 52 43 72 145 85		61	1 1 3 8	01 01		69
1883,	August.  September.  October.  Movember.  December.  1883.  1882.  1882.  1882.  1883.  1884.  1885.  1887.  1887.  1887.  1887.  1887.  1887.  1887.  1887.	2		10 6 9 10 92 86 142 964 162 132	3 3 3 5 40 43 70 119 77 64	7 8 6 5 52 43 72 145 85		64	. 1	01 01	1 01 01 11	64
1883,	July. August. September. October. Noveember. 1882. 1882. 1882. 1882. 1883. 1884. 1882. 1884. 1885.			10 6 9 10 92 86 142 964 162 132	3 3 3 5 40 43 70 119 77 64	7 8 6 5 52 43 72 145 85		61	. 1	01	1 01 01 11	64
1883,	1878. 1879. 1879. 1882. 1882. 1882. 1883. 1883. 1883. 1883. 1883. 1883. 1884. 1884. 1885. 1885. 1885. 1887. 1888. 1888. 1888. 1889.	N		8 8 10 6 9 10 92 86 142 964 162 132	3 4 3 3 3 5 40 43 70 119 77 64	5 4 7 8 6 5 52 43 72 145 85		61		01 01		64
	1818.  1819.  1819.  1820.  1882.  1882.  1883.  1883.  1883.  1883.  1884.  1884.  1885.  1885.  1886.  1886.  1887.  1887.  1887.  1888.  1888.  1888.  1888.  1889.  1889.  1880.  18	1 2		5 8 8 10 6 9 10 92 86 142 964 162 132	3 3 4 3 3 3 5 40 43 70 119 77 64	2 5 4 7 8 6 5 52 43 72 145 85		04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1883,	1878.  1879.  1879.  1880.  1882.  1882.  1883.  1883.  1883.  1883.  1884.  1884.  1884.  1885.  1886.  1886.  1887.  1887.  1887.  1887.  1887.  1888.  1888.  1888.  1889.  1889.  1889.  1889.  1880.  18	04		8 6 5 8 8 10 6 9 10 92 86 142 264 162 132	2 3 3 4 3 3 3 5 40 43 70 119 77 64	4 2 5 4 7 3 6 5 52 43 72 145 85		61		01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 4 01 1	
1883,	March.  1878.  1879.  1879.  1883.  1883.  1883.  1883.  1884.  1884.  1885.  1885.  1885.  1886.  1887.  1888.  1888.  1889.  1	8		6 5 8 8 10 6 9 10 92 86 142 964 162 132	7 4 2 3 3 4 3 3 3 5 40 43 70 119 77 64	4 4 2 5 4 7 3 6 5 52 43 72 145 85		63		01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1883,	February. March. May. May. June. June. June. July. September. December. December. December. December. July.	8		13 8 6 5 8 8 10 6 9 10 92 86 142 964 169 132	4 2 3 3 4 3 3 5 40 43 70 119 77 64	6 4 4 2 5 4 7 8 6 5 52 43 72 145 85		CA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 4 01 1	
1883,	March.  1878.  1879.  1879.  1883.  1883.  1883.  1883.  1884.  1884.  1885.  1885.  1885.  1886.  1887.  1888.  1888.  1889.  1	8		6 3 13 8 6 5 8 8 10 6 9 10 92 86 142 964 162 133	3 7 4 2 3 3 4 3 3 3 5 40 43 70 119 77 64	3 3 6 4 4 2 5 4 7 3 6 5 52 43 72 145 85		CA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 4 01 1	
1883,	January.  February.  March.  Alarch.  June.	8		6 3 13 8 6 5 8 8 10 6 9 10 92 86 142 964 162 133	3 7 4 2 3 3 4 3 3 3 5 40 43 70 119 77 64	3 3 6 4 4 2 5 4 7 3 6 5 52 43 72 145 85		CA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 4 01 1	
1883,	January.  February.  March.  Alarch.  June.	8		6 3 13 8 6 5 8 8 10 6 9 10 92 86 142 964 162 133	3 7 4 2 3 3 4 3 3 3 5 40 43 70 119 77 64	3 3 6 4 4 2 5 4 7 3 6 5 52 43 72 145 85		CA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 4 01 1	
1883,	February. March. May. May. June. June. June. July. September. December. December. December. December. July.	2   1   1   1   1   1   1   1   1   1		8 13 8 6 5 8 8 10 6 9 10 92 86 142 964 162 132	7 4 2 3 3 4 3 3 5 40 43 70 119 77 64	3 6 4 4 2 5 4 7 3 6 5 52 43 72 145 85		CA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 01 11 11 11 11 11 11 11 11 11 11 11 1	1 01 4 01 1	

pecial causes tabulated as "Casualty" for the year 1883 are shown in 3. It is hoped that the facts here presented may be useful for the preof violent deaths.

BLE 73 .- Deaths in Michigan in 1883, Compiled as Casualty.

LTY,—CAUSES AS RETURNED.	Num- ber.	CASUALTY,-CAUSES AS RETURNED.	Num- ber.
mber tabulated as Casualty in 72	306	Kicked by horse	14
nt	91	Swallowed glass Fell on pitchfork	1
i in mill	11	Cut with circular saw	3
in mine	33	Killed in saw-mill	6
ion of powder	6	Fell from bridge	1
from fall	30	Fall of building	4
by falling timber	3	Fall from load of hay	5
om wagon	13	Struck with ball club	1
in woods	7	Killed by cyclone	1
	5	Fall on ice	2
by an elevator	1	Caving in of bank	2
by logs	10	Fall from scaffold	3
by a bear	1	Killed in well	4
om building	5	Jumping rope	1
own stairs	5	Bean in windpipe	1
by runaway	8	Killed by threshing machine	1
sion of boiler	20	Run over by fire engine	1
rom fence	1	Bursting of grind-stone	1
er by wagon	2	Killed by ferry boat	1

### STATISTICS OF SUICIDE.

suicide record of Michigan for the eleven years, 1873-1883, may be n Table 74. The whole number reported for all these years was 661, m 483 were males and 178 were females. The greatest number (91) urned for the year 1883. The largest monthly mortality was in June smallest in February. Of the whole number 363 were natives of the States, 153 being from Michigan and 210 from other States. Of birth, there were 257, of which 137 were from Germany, 40 from a, 36 from England, etc. In 41 cases the nativity was not returned. elassification by conjugal condition shows that 389 were married, 188 ngle, 51 were widowed, and in the case of 33 the conjugal condition was test.

e means adopted, as far as stated, poison heads the list with 123, hang-61, drowning 39, throat cutting 13, severing turned without the means employed being

> nber of suicides, followed by laborers, ter may be noticed among the list.

BLE 74.—Cortain facts concorning Porsons returned as having died by Suicids in Michigan during the years 1873— 1883.

							Моити	MONTH OF DRATH.	ATH.						-	BEX.		COLOR.		Сокрітіон	TOM.	
YEARS.	NUK.	.Trannal	February.	March.	April.	May.	June	Jaja.	Auguat	Beptember.	.TedotoO	November.	.тесешрет.	Unknown.	Total	Malen	Lemsier	White.	Married.	Single.	Widowed.	Unknown.
rotal	199	8	31	3	28	8	88	8	ક્ષ	33	28	8	19	- ∞	199	83	178	199	88	88	150	88
873	8	-	61	03	-	69	7	-	ss	0	-	<del> </del>	-	<u> </u>	8	೫	۵	8	12	ㅋ	•	-
1874	8	-	**	7		7	•	10	<del>-</del>	က	10	9	9		3	31	81	ĸ	83	11	7	*
1876	35	65	7	63	•	80	•	7	•	10	83	9	<del>-</del>	1	25	4	2	23	ಹ	2	တ	0
1876	ž	93	-	ø	7	7	90	61	•	10	9	40	9	-	2	43	=	\$	S	13	က	*
1877	99	61	20	-	•	7	10	9	7	7	64	7	2	1	8	\$	8	8	28	ន	61	22
1878	ន	•	61	ю	6	ю	6	10	2	10	9	10	<del>-</del>	-	ន	9	ន	8	7	16	*	64
	92	63	C4	4	2	•	90	ю	7	40	7	7	-	-	28	\$	13	28	×	g	ø	64
0881	8	7	89	9	80	9	9	*	•	2	64	9	9	-	8	8	2	8	28	8	*	*
1881	57	_	40	တ	•	*	•	7	6	7	•	9	7	Ī	22	43	53	22	ដ	=	6	80
	8	63	•	*	9	œ	7	<b>09</b>	-	•	-	-	9	-	8	\$	89	8	8	3	80	**
1883	8	ю.	-	-	•	ю.	80	=	6	•	9	92	2	Ī	91	8	81	16	8	ន	의	60

a 1 Mulatto.

### TABLE 74.—CONTINUED.—Suicidal Deaths.

	-34		-		
OCCUPATIONS.	No.	OCCUPATIONS.	No.	Occupations.	No
8	4	Farmers	199	Prostitutes	
	2	Hotel-keepers	4	Sailors	
rs	2	House-keepers	75	Saloon-keepers	1
8	1	Laborers	80	Seamstress	
eepers	7	Lawyers	2	Servants	2
men	1	Lumbermen	5	Shoemakers	1
rs	4	Machinists.	3	Soldiers	1
makers	2	Masons	6	Students	. 3
ess men	3	Mechanics	9	Tailors	1
ers	4	Merchants	12	Tanners	
t-makers	2	Milliners	2	Teachers	
ters	10	Miners	2	Teamsters	1
nakers	3	Minister	1	Tinner	
	8	Miscellaneous	7	Unemployed	2
s	2	Musicians	3	Unknown	7
en	4	Painters	3	Weavers	
sts	3	Physicians	5		
ers	4	Printers	4		
					- 66
Nativity.	No.	Nativity.	No.	Nativity.	No
Timering.	140.	Hadring.			
	1	Maine	2	Poland	3
	40	Massachusetts	3	Rhode Island	
ticut	6	Michigan	153	Scotland	1
1	36	Minnesota	1	Sweden	3
	1	New Hampshire	3	Switzerland	
У	187	New Jersey	4	Texas	
	1	New York	116	Unknown	4
***************************************	5	Norway	1	Vermont	1
***************************************	23	Nova Scotia	1	Virginia	
*************	1	Ohio	36	Wisconsin	
Variation	1	Pennsylvania	13	Zealand	- 15
	1	T comed transmission	1000		
	1	1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			66
			No.	Monny Wood	
Tan Negl	No.	Means Used.	No.	Means Used.	
in bet			No.	Means Used.	No
in the		Means Used,			No
In look		Means Used.	123	Starving	661 No.

#### PRINCIPAL CAUSES OF DEATH.

In the following table may be seen the relative order of the fifteen most destructive diseases and causes of death in Michigan during the year 1883. Consumption has stood at the head of the list of the most prominent causes of death during the whole period of registration, with the single exception of the

year 1881, when diphtheria headed the list.

Next to consumption, diphtheria has been the most active destroyer of human life in Michigan during the years 1878-1883. With the other more prominent causes of death, the order in regard to the largest number, varies more or less from year to year. The most noteworthy changes from 1882 were in cholera infantum and cancer. Cholera infantum, occupying tenth place in 1882, rose to eighth in 1883, while cancer, which ranked fourteenth in 1882, rose to eleventh in 1883. Scarlet fever ranked sixth in 1878 and 1879, tenth in 1880 and 1881, and sixth again in 1882 and 1883.

The fifteen principal causes of death represent 56.92 per cent of the total mortality for 1883, as compared with 57.13 in 1882, 57.43 in 1881, and 58.02 in 1880. Some of these important causes of death will be considered again in

subsequent pages.

TABLE 75.—Mortality in Michigan from Fifteen Principal Causes as Returned for the Year 1883.

ER.	SPECIFIED CAUSES AND CON- DITIONS,—1883.	NUMB	ER OF DE	ATHS.	PER CENT	FROM EATHS FROM	CH CAUS
Оприн	D111043,-1003.	Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption	1,992	912	1,080	11.78	10.02	13.94
2	Diphtheria	1,007	500	507	5.96	5.49	6,54
3	Still-born	a 884	513	328	5,23	5.64	4.23
4	Pneumonia	737	411	326	4.36	4.52	4.21
5	Old Age	726	365	361	4.29	4.01	4.66
6	Scarlet Fever	673	338	335	3.98	3.71	4.33
7	Heart Disease	626	342	284	3.70	3.76	3.67
8	Cholera Infantum	465	270	195	2,75	2.97	2.52
9	Fever, Typhoid	439	252	187	2.60	2.77	241
10	Apoplexy and Paralysis	421	236	185	2.49	2.59	2.39
11	Cancer	383	160	223	2.27	1.76	2.88
12	Convulsions	344	174	170	2,03	1.91	2.19
13	Croup	336	181	155	1.99	1.90	2,00
14	Dropsy (unspecified)	296	145	151	1.75	1.50	136
15	Bowels, Inflammation of	294	-	142	1.74	3.67	130
Tot	tal	1000	i	2 800	-		-

a Includes 43 unknown sex. b It

In Tables 76 and 77 may be seen the number and per cent of deaths from ten prominent causes by months and ages for the year 1883. Of the ten diseases, diphtheria ranks the highest, and whooping-cough the lowest. Consumption and pneumonia are not included in these tables but are studied further on.

Cancer, the first disease in the tables, appears to be especially fatal at ages from forty to seventy, and the months of October and November returned the largest mortality. Each year the deaths of females exceed those of males. Cephalitis was most fatal in August and December, and in ages under five years. An examination of the tables will show that season of the year has a very decided influence upon the mortality from croup, diphtheria and scarlet fever, the excessive portion of the deaths occurring in infancy and childhood. The disparity between the sexes does not appear to be great.

Diarrhea and dysentery are diseases of little prominence until July, falling to quite a low point again in November. Three-fourths of the mortality from

these two diseases in 1883 was at the age of five and under.

Deaths from measles in 1883 occurred mostly during the spring and early summer, and were by far the most fatal under five. Deaths of females exceed

those of males by 12.01 per cent.

The mortality from typhoid fever rose suddenly in September and declined again in November. The chief mortality was between the ages of fifteen to thirty, and deaths among males exceeded deaths among females by 14.80 per cent.

Whooping-cough was most fatal in March, least so in February, but distributed over the year with no great difference in months. Over 93 per cent of

the deaths from this disease were under the age of five years.



TABLE 76.—Deaths from Ten Specified Causes returned for the Year 1883, Exhibiting the Number of each Sex, Total Number in each Month, and at different Periods of Ags.

T	SEX, MONTH,				CAT	USES OF	DEATH, 1	1883.			
	AND AGE.	Cancer.	Cepha- litis.	Croup.a	Diar- rhea.b	Diph- theria.	Dysen- tery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whoop- ing Cough
1	[Total	383	293	336	267	1,007	114	258	673	439	92
1:	Males	160	163	181	146	500	68	113	338	252	40
SEX.	Females	223	130	155	121	507	45	144	335	187	52
1	Unknown						1	1			
1	January	16	22	33	5	90	4	4	59	19	6
1	February	26	15	31	5	78	2	10	60	29	3
1	March	16	20	25	4	64	2	20	69	32	13
	April	31	18	35	14	77		44	74	19	8
	May	12	28	24	3	100	3	54	-64	17	6
10	June	34	26	19	15	65	6	44	50	92	5
FIIS.	July	46	28	18	53	78	8	32	.59	23	8
MONTHS.	August	37	31	27	80	78	38	21	30	49	8
1	September	29	22	20	54	82	27	8	43	70	10
	October	51	26	29	25	92	19	6	43	67	6
	November	48	24	38	3	86	2	7	53	38	9
	December	34	33	37	6	121	3	7	67	52	10
	Unknown	3				1		1	2	2	
	Av. Monthd	32	24	28	22	84	10	22	56	37	8
	Under 5	11	181	270	230	487	76	178	370	50	86
	5 to 10	2	36	54	6	321	4	25	191	39	5
	10 to 15	2	14	5	1	117	1	13	60	28	
	15 to 20	1	12		2	48	3	11	29	66	
	20 to 25	6	8	3	1	12	6	× 4	9	71	
	25 to 30	13	6		1	6	2	4	6	45	
	30 to 35	5	4	2		3		2		28	
	35 to 40	23	7		2	3	1	10	2	22	
100	40 to 45	27	4				3	2	2	10	
AGES.	45 to 50	48	9		2		5	6	2	16	
	50 to 55	38	5		2		2		1	16	
	55 to 00	45	5		2	2	1	2		8	
1	60 to 65	51	2		4	1	1			16	
1	65 to 70	43	2		2		2			7	
1	70 to 75	27	3		3		3			19	
1	75 to 80	26			3		2			4	
	80 and over	6			3		2			3	
1 9	Unknown	9	2	2	3	7		1	1	1	1
-								-	-1	-	-

<sup>&</sup>lt;sup>a</sup> Includes 52 membranous croup. <sup>4</sup> Excluding unknown month.

b Includes 17 chronic.

c Includes 8 chronic.

TABLE 77.—Per Cent of Deaths Returned for the Year 1883, from each of Ten Specified Causes to Deaths from All Causes; and Per Cent of each Sex, of Deaths in each Month, and at Different Periods of Life, to Total Deaths from each Specified Cause.

8	EX, MONTH,			CAUSES	of DEA	тн, 1883.	-PER C	ENT OF	TOTAL.		
2	AND AGE.	Cancer.	Cepha-	Croup.	Diar- rhea.	Diph- theria.	Dysen- tery.	Measles.	Scarlet Fever.	Tpphoid Fever.	Whoop ing Cough.
Per	Ct. of All Causes	2.27	1.73	1.99	1.58	5.96	.67	1.53	3.98	2.60	.54
1	Males	41.78	55.63	53,87	54.68	49.65	59.65	43.80	50.22	57.40	43.48
SEX.	Females	58,22	44.37	46.13	45.32	50.35	39.47	55.81	49.78	42.60	56,52
22	Unknown						.88	.39			
1	January	4.18	7.51	9.82	1.87	8.94	3.51	1.55	8.77	4.33	6.52
	February	6.79	5.12	9.23	1.87	7.25	1.75	3.88	8.92	6.61	3.26
	March	4:17	6.83	7.44	1.50	6.36	1.75	7.75	10,25	7.29	14.13
	April	8.09	6.14	10.42	5.24	7.65		17.05	11.00	4.33	8.70
	Мау	3.13	9.56	7.14	1.12	9 93	2.63	20.93	9,51	3.87	6,52
3	June	8.88	8.87	5.65	5.62	6.45	5.26	17.05	7.43	5.01	5.43
HIS.	July	12.01	9.56	5,36	19.85	7.75	7.02	12.40	8.75	5.24	8.70
MONTHS	August	9.66	10.58	8.04	29,96	7.75	33.33	8.14	4 46	11.16	8.70
2	September	7.57	7.51	5.95	20.22	8.14	23.68	3.10	6.39	15.95	10.87
	October	13.32	8.87	8.63	9,36	9.14	16.67	2.33	6,39	15.26	6.55
1	November	12.53	8.19	11.31	1,12	8.54	1.75	2.71	7.87	8.66	9.78
	December	8.88	11,26	11.01	2,25	12.02	2.63	2.71	9.98	11.85	10.8
ı	Unknown	.78				.10		.39	.30	,46	
	Av. Month a	8.27	8.33	8.33	8.33	8.32	8.33	8.30	8.30	8.29	8.33
	Under 5	2.87	61.78	80.36	86,14	48.36	66 67	68.99	54.98	11.39	93.48
	5 to 10	.52	12.29	16.07	2.25	31.88	3.51	9.69	28.38	8.88	5.43
	10 to 15	.52	4.78	1.49	.38	11.62	.88	5.04	8.92	6,38	
	15 to 2)	-26	4.10		.75	4.77	2.63	4 26	4.31	15.03	
	20 to 25	1.57	2.78	.89	.38	1,19	5.26	1.55	1.34	16.17	
	25 to 30	3.39	2.05		.38	.60	1.75	1.55	.89	10.25	
	30 to 35	1.31	1.37	.60		.30		.78		6.38	
	35 to 40	6.01	2.39		.75	-30	.88	3.88	.30	5.01	
eig.	40 to 45	7.05	1.37				2.63	.78	.30	2.28	
AGES.	45 to 50	12.53	,68		.75		4.39	2.33	.30	3.65	
	50 to 55	9.92	1.71		.75		1.75		.15	3.64	
	55 to 60	11.75	1.71		.75	.20	.88	.78		1.82	
	60 to 65	13.29	.68		1.50	.10	.88			3.64	
	65 to 70	11.23	.68		.75	******	1.75			1.59	
	70 to 75	7.05	1.02		1.12		2.63			2.05	
	75 to 80	6.79			1 12		1.75			.91	
	80 and over	1.57			1.12		1.75			.68	
	Unknown	2.35	.68	.60	1.12	.70	Santa S	-39	.15	.23	1.09

<sup>\*</sup> Excluding deaths in unknown month.

Cancer.-The total number of deaths returned from cancer during the twelve years 1872-1883, was 3,017. The annual average number for these years was 251, while the number returned for 1883 was 383. With the exception of the year 1882, there has been a constant increase in the mortality from this disease since 1871. There has been each year a very marked excess of deaths among females, and the average annual excess for the twelve years 1872-1883 was 36. In 1883 the largest number of deaths from cancer occurred in the month of October, and over 58 per cent of the whole number were at ages between forty-five and seventy; only 35 were returned at ages under thirty.

Table 78 shows what part of the body was affected among the decedents from cancer during these years. In nearly half of the cases (47.46 per cent) the part of the body affected was not given in the returns, a fact very much to be regretted. As far as returned, cancer of the stomach exceeds all others by

a large majority.

TABLE 78.—Deaths from Cancer in Michigan returned for the years 1872-1883, indicating part of body affected.

Part Affected.	Total.	Males.	Fe- males.	Part Affected.	Total.	Males.	Fe- males
Aggregate, 12 years	3,017	1,291	1,726	Cancer of Liver	57	36	21
	-	-	-	Cancer of Lungs	6	3	3
Cancer of Arm	6	3	3	Cancer of Mouth	53	38	15
Cancer of Bladder	3	2	1	Cancer of Neck	13	11	2
Cancer of Bowels	65	21	44	Cancer of Nose	2	2	
Cancer of Breast	232	14	218	Cancer of Œsophagus	3	1	2
Cancer of Eye	12	7	5	Cancer of Pancreas	2	1	1
Cancer of Face	102	73	29	Cancer of Rectum	10	6	4
Cancer of Foot	3	3		Cancer, Rose	7	3	4
Cancer in Groin	4	3	1	Cancer of Side	10	1	1
Cancer of Hand	3	2	1	Cancer of Spine	3	1	9
Cancer of Head	18	12	6	Cancer of Stomach	748	461	287
Cancer of Heart	1		1	Cancer of Throat	27	12	10
Cancer, Internal	23	8	15	Cancer of Tongue	12	8	4
Cancer of Kidneys	4	4		Cancer (Unspecified)	1,432	546	886
Cancer of Leg	13	9	4	Cancer of Uterus	143		143

#### METEOROLOGY AND ITS RELATION TO DEATHS.

As in former years, the following tables have been prepared to show the effect of meteorological changes upon some of the most important diseases. The design is to ascertain if there was any relation between unusual meteorological conditions and unusual mortality during the year 1883. These tables show some of the results of observations made at the office of the State Board of Health, State Agricultural College, and by the U. S. Signal Service. Study is here made of the occurrence of deaths from different diseases, by months, temperature, humidity of air, ozone, prevailing winds, and atmospheric pressure.

From Table 79 it may be seen that the annual average temperature for 1883 was 3.12° lower than the average for ten years and lower than for any other year in the table except 1875. The temperature for January and February 1883 was also lower than any of the ten years included in the average except

the year 1875.

The atmospheric pressure for the year 1883 was greater than that of the average for ten years. In 1883 the greatest monthly pressure occurred in February, the least in the month of June. For further study of this subject see Table 80.

TABLE 79.—Temperature.—Average by Years and by Months, for the Years 1874 to 1883, inclusive, at the Agricultural College, near Lansing, Michigan. (Results of Observations by Prof. R. C. Kedzie.)

verne	Annu-	Avi	RAGE	Темре	RATUR	e, Sta	TKD IN	DEGR	EES FA	HRENH	EIT, BI	Mon1	us.
YEARS.	Average.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec
1874	47.32	27.70	25.51	32 30	36.87	59.58	70.61	72.02	69.39	62.85	49.10	35.00	26.9
1875	43.09	12.87	8.35	26.20	41.11	60.82	66.57	69.67	65.48	58.50	42.93	32.96	31.5
1876	46.17	30.22	27.38	30.55	44.16	57.95	68.14	72.48	71.55	56.30	43.74	36.33	15.2
1877	47.42	18 07	32.31	24.51	46.16	58,25	65.93	71.43	68 46	61.28	50.83	35.24	36.5
1878	48.29	29,11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.33	36,29	21.2
1879	46 88	19.19	20.40	33.19	44.84	58.76	66.02	74.03	70.00	56.21	57.28	38.22	27.4
1880,	47.28	37.10	29.19	35.50	45.87	64.30	67.60	68.04	68.58	55.83	16.23	27.52	22.0
1881	48.73	16.98	21.58	30.28	45.59	65.24	64 31	73 43	72.69	69.69	52.51	38.20	34.3
1882	47.57	24.89	35.12	35.96	44.70	52 73	66.49	67.71	69.52	59.98	52.67	36.30	24.80
1883	43.51	14.39	19.76	24 89	43.48	52.78	65.87	68.94	64.90	56.43	46.17	38.08	26,3
Av. for 10 Y'rsa	46.63	23.05	24.77	31.43	44.33	58.50	66.56	71.98	69.07	60.02	48.98	35.41	26.6

<sup>\*</sup> Average for 10 years ending with 1883.

TABLE 80.—Pressure of the Atmosphere.—Observations of Barometer reduced to freezing point, for each of the years 1874 to 1883, inclusive, and the Average for 10 Years ending with 1883, at the Agricultural College, Lansing, Michigan (Bused upon Observations by Prof. R. C. Kedzie).

38.	ANNU-	Pra	SSURE	OF THE	ATMOSI	PHERE,	STATED		HES OF	MERCU	RIAL CO	DLUMN,	BY
YEARS,	AVER-	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1874	29,055	29.168	29.048	29.015	29.061	28.984	28 998	29.027	29.044	29.066	29.073	29.057	29,121
1875	28,1198	29.005	28.875	28,844	29.047	29 061	29.029	29.044	29.025	29.031	29.016	29.054	28,955
1876	29.010	29.073	29.063	28 929	29.000	29 009	28.911	29.0.9	29.048	28 995	28.929	28,953	29.203
1877	29.066	29.057	29.124	28.981	28 974	29.056	29,020	29.062	29.046	29.121	29.077	29.099	29, 180
1878	29.053	29.099	29.026	29.027	28.875	29 013	29.030	29.085	29.010	29.157	29,080	29.081	29.147
1879	29,080	29,130	29.107	29,102	29.050	29.116	29.078	29.057	29.100	29 152	29.160	29.027	29.002
1880	29.096	28 995	29.077	29.181	28.084	29,061	29.065	29.068	29.126	29 093	29.130	29.215	29.155
1881	29.087	29.077	29.152	28.899	29 064	29.116	29.018	29.093	29.117	29.077	29.181	29.120	29.134
1882	29.094	29.134	29.041	29.098	29.088	29.065	28.959	29.096	29.062	29.186	29.112	29 175	29.112
1883	29,107	29.129	29.252	29.059	29.042	29.007	28.998	29.072	29.154	29.162	29.158	29.128	29,124
-	-	_	_		_	-	-	-	-	-		-	-
Av a	29.065	29.087	29.077	29.014	29,019	29,049	29.010	29.061	29.073	29.104	29.092	29.091	29.110

A Average for 10 years ending with 1883.

Croup.—The number of deaths returned from croup in 1883 was 336—males 181, females 155—the males predominating as usual. The average number for ten years, 1873-1882, was 238, which was nearly one hundred less than was recorded for 1883. The largest number of deaths returned from this cause in any one year was 378, in 1881. January, February, April, October, November, and December were the most fatal months. The greatest mortality was in November, 11.31 per cent; the least in July, 5.36 per cent. Only ten cases were reported over ten years of age, and only five over twenty years. Under five years of age the deaths amount to 80.36 per cent.

Table 81 shows certain meteorological data in connection with deaths from croup. There were only two exceptions to the proposition that the air was colder than the average in months when the greatest number of deaths from croup occurred, and warmer than the average in months in which less than the average number of deaths occurred. There were also only two exceptions to the proposition that more than the average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

TABLE 81.—Deaths Returned from Croup in Michigan, by Months, during the Year 1883, and some coincident Meteorological Conditions.

		CR	ATHS SOM SOUP,	DEG	PERA- EE, REES HR.	HU	RE, ET	OF AT	rmos- NTHLY	Ozon Rela Maxi =1	TIVE	r. Hour,-		(Barom-
D	MONTHS N ORDER BY NUMBER OF EATHS FROM CROUP, GREATEST FIRST.	Number,	Per Cent of Total.	Av. Daily Range during Day and following Night, by Reg Thermometers. Obs. at 7 a M.	Av. of Daily Observations at 7 A.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.	Weight, in Troy Ounces, of Va- por Inhaied by one person in 24 hours.b	Weight, in Truy Ounces, of Vapor Exhaled from Afr Passages in 24 hours in excess of vapor inhaled.c	рау,7 л. м. to 2 Р. м.	Night, -9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,- by Registering Anemometer.	Rainfall in Inches.	Average Pressure of Atmosphere.
Year	r, 1883	4336	100.00	18 92	43,52	75	3,17	1.98	9.70	3.19	3.47	11.0	40.91	29.189
	November	38	11.31	16.34	38,10	76	2.43	1.52	10.16	2.97	3 22	14.4	3,89	29.189
than the Av.	December	37	11.01	15.13	26.89	80	1.66	1 04	10.64	3.25	3.74	12.0	1.67	29,203
Sent	April	35	10.42	19.64	43.00	67	2.55	1 59	10.09	3.30	3.65	11.5	1.81	29.12
of L	January	33	9.82	17.64	15 78	82	1.11	.69	10.99	3.88	4.55	12.2	1.91	29,221
More No.	February	31	9 23	18,38	20.03	81	1.29	.81	10.87	4.01	4 55	13.1	4.14	29.328
2	October	29	8.63	15,70	* 46.73	76	3.22	f 2.01	9 67	2.87	3.28	9.4	3.34	29,270
Ave	rage	28	8.33	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	3.41	29.189
	(August	27	8.04	22 65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	1.06	29.233
No. of Deaths.	March	25	7.44	21.44	e 24.63	75	1.39	f .87	10,81	3.49	3.87	11.6	1.02	29.145
the Deat	May	24	7.14	20 21	51,37	70	3.44	2.15	9.53	3.31	3.81	11.9	6.02	29.099
of I	September	20	5 95	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	2.37	29.238
No.	June	19	5.65	19 13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	7.41	29.072
-	July	18	5.36	19.06	68.36	76	6.02	3.76	7 92	2.91	2.80	10.3	6.27	29.140

Diphtheria.—Table 82 shows that 1,007 deaths were returned from this disease in 1883, as compared with 1,416 in the previous year. The sexes were very evenly divided, there being £00 deaths among males, and 507 deaths among females. The per cent of deaths from diphtheria to deaths from all causes has been reduced from 10.72 in 1881, to 8.62 in 1882, and 5.96 in 1883. The rise and fall in the number of deaths from diphtheria during the years 1874-1883 has been as follows:

a Calculated from readings of Dry Bulb and Wet Bulb Thermometers.
b Calculated for 18 respirations per minute of 20 cubic inches of air each.
c Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11 68 Troy onnees of vapor exhaled daily. No correction made for expansion of air after being inhaled.
d Includes 52 dea hs from Membranous Croup.
Exceptions to the proposition that more than an average number of deaths from croup occurred in months when the Average Daily Temperature was less than the average, and vice versa.

Exceptions to the proposition that more than an average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.
- 213	207	311	593	887	1,473	1,542	2,063	1,416	1,007

It will be observed that there has been quite a falling off in the mortality from diphtheria in 1882 and 1883. The annual average number for the ten years 1874-1883, was 971, and the average for the five years 1879-1883, was 1,500.

By reference to Table 72, page 176, may be found the ages of those who died from diphtheria in 1883. It is seen that 487, or 48.36 per cent of the whole number were children under five years of age, that 808, or 80.24 per cent, were under ton years of age, and that 925, or 91.86 per cent, were under fifteen years of age.

The months of January, May, October, November, and December contributed 48.66 per cent of the deaths, the month of December having the largest number. As usual the autumn months were the most fatal.

The prevalence of diphtheria in the different geographical divisions of the State may be seen in the following tabulated statement:

STATE, AND GEOGRAPHICAL DIVISIONS.	Total Mortality from all Causes.	Deaths from Diphtheria,	Per Cent of Deaths from Diphtheria to Deaths from All Causes,
State	16,906	1,007	5.96
Upper Peninsular	1,007	44	4 37
Northwestern	630	25	3.97
Northern	391	23	5.88
Northeastern	310	3	.97
Western	1,988	78	3.92
Northern-Central	467	67	18.35
Bay and Eastern	2,618	122	4.66
Central	2,273	123	5.41
Southwestern	940	35	3.72
Southern-Central	2,537	66	2.61
Southeastern	3,745	421	11.24

Table 82 shows that the proposition that the air was colder than the average in months in which more than the average number of deaths occurred, and warmer than the average in months in which less than the average number of deaths occurred, holds true in seven out of the twelve months.

TABLE 82 .- Deaths Returned from Diphtheria in Michigan, by Months, during the year 1883, and some coincident Meteorological Conditions.

		DEATH DIPHT		TEMPERA DEGR: FAH	EES	1000	PHER	OF ATE, ETC.	200	Ozon Rela Maxii	tive num	er Hour,-	(Barome-
D	MONTHS IN ORDER T NUMBER OF TEATHS FROM DIPHTHERIA, GREATEST FIRST.	Number.	Per Cent of Total.	Average Daily Range during Day and following Night, by Register- ing Thermometers, Observed at 7 A. M.	Average of Dally Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours, a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of Vapor inhaled-a	Day,-7 A. M. to 2 P. M.	Night, -9 P. M. to 7 A. M.	Average Velocity of Wind,-Miles per Hour,-by Registering Anemometer.	Average Pressure of Atmosphere, tor Reduced to 32° Fahrenheit.)
Year	1883	1,007	100.00	18.92	43.52	75	3.17	1,98	9.70	3.19	3.47	11.0	29.189
Dif.	December	121	12.02	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29.208
No. of Deaths.	May	100	9.93	20.21	b 51.37	70	3.44	c 2.15	9.53	3.31	3.81	11,9	29.009
	October	93	9.23	15.70	b 48.78	76	3.22	c 201	9 67	2.87	3.28	9.4	29.27
Av. No.	January	90	8.94	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	29.22
AY.	November	86	8.54	16.34	38.10	76	2.43	1.52	10.16	2.97	3.22	14.4	29, 185
Ave	rage	84	8.34	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.18
_	September	82	8.14	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.238
Leas than the Average No. of Deaths.	July	78	7.75	19.06	68.36	76	6.02	3.76	7.92	2.91	2.80	10.3	29.14
Ave	August	78	7.75	22.65	65,41	71	5.20	3.25	8.43	2.63	2.40	8.0	29.23
the	April	77	7.65	19.64	ь 43.00	67	2,55	c 1.59	10.09	3.30	3.65	11.5	29,12
han o. o	February	73	7.25	18.33	ь 20.03	81	1.29	c .81	10.87	4.01	4.55	13.1	29.32
eas N	June	65	6.45	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.07
4	March	64	6.35	21.44	b 24.63	75	1.39	0 .87	10.81	3.49	3.87	11.6	29.14

Typhoid Fever. - The number of deaths returned in Michigan, in 1883, from typhoid fever, was 439. This number was 445 less than was reported in 1881, and 24 less than in 1882. The average annual number of deaths for the fourteen years, 1869-1883, was 512, which was 73 more than was returned for 1883. The per cent of mortality from typhoid fever to deaths from all causes in 1882 was 2.60, while the average percentage for the years 1869-1882 was 3.89.

Two hundred and fifty-two deaths were among males, and 187 were among females distributed through the different months of the year. The greatest mortality occurred in September, which contributed 70, or 15.95 per cent of

<sup>\*</sup> See foot-notes to Table SI, page 213.

b Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months when the Average Daily Temperature was less than the average, and vice versa.

c Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months when less than the average quantity of vapor was inhaled, and vice versa.

the deaths, and 31.21 per cent of the total number occurred in the two months of September and October. Nearly 42 per cent of the deaths were of persons between fifteen and thirty years of age, and 31.21 per cent of the deaths were between fifteen to twenty-five.

Table 83 shows the relation of typhoid fever to certain atmospheric condi-

tions.

TABLE 83 .- Deaths returned in Michigan from Typhoid Fever, by months during the year 1883, and some coincident Meteorological Conditions.

1	Months	TY	PHOID ER, 1883		RATURE, REES HR.	н	CRE, ET	Y OF A	NTHLY	AT	I,-REL.	miles per eter.	e (Barom-
OF TY	ORDER BY SUMBER DEATHS FROM PHOID FE- VER, REATEST FIRST.	Number.	Per Cent of Total.	Average Daily Range during day and following night by Begistering Thermometer, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Ct. of Saturation.	Weight in Grains, of Vapor in a Cubic foot of Alr.a	Weight, in Troy Ounces, of Va- por inhaled by one person in 24 hours a	Weight, in Troy Ounces, of Va- por exhaled from Air Pass- ages in 24 hours, in excess of Vapor inhaled.*	Day,-7 A. M. to 2 P. M.	Night,-9 P. M. to 7 A. M.	Average Velocity of Wind, mile hour, by Registering Anemometer.	Average Pressure of Atmosphere (Barom- oter reduced to 32° Fahrenbett).
Year	r, 1883	439	100.00	18.92	43.52	75	3 17	1,98	9.70	3.19	3.47	11.0	29.189
	September	70	15.95	21 68	57.24	75	4.31	2.69	. 8,99	2 65	261	8.1	29.238
No. of Deaths.	October	67	15.26	ь 15 70	46.73	76	3.22	2.01	9.67	2.87	3.28	9.4	29.278
Dec	December.	53	12.07	ь 15.13	c 26.89	80	d 1.66	1.04	10.64	e 3 25	e 3.74	12.0	29,200
No. of	August	49	11.16	22,65	65.41	71	5.20	3 25	8.43	2,63	2.40	8.0	29.23
NON	November	39	8,88	ь 16.34	c 38.10	76	d 2.43	1.52	10.16	2 97	3.22	14.4	f 29.183
Ave	rage	37	8.43	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	110	29, 180
200	March	32	7.29	b 21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	29.143
Less than the Average No. of Deaths.	February.	29	6.61	18,38	20.03	81	1 29	.81	10.87	4.01	4.55	13.1	1 29,328
No. of Deaths.	July	23	5.24	6 19.06	c 68.36	76	4 6.02	3.76	7.92	€ 2.91	• 2.80	10.3	29.140
Den	June	22	5.01	ь 19,13	c 64.73	77	d 5.45	3.41	8.27	e 3.06	6 3.12	9.7	29.075
o, of	January	19	4,33	17.64	15.78	82	1.11	.69	10,99	3.88	4.55	12.2	f 29, 221
N	April	19	4.33	ь 19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	29.125
7	May	17	3.87	ь 20.21	c 51.37	70	4 3.44	2.15	9 58	3.31	3.81	11.9	29.099

<sup>\*</sup> See foot-note to Table 81, page 213.

b Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

c Exceptions to the proposition that the Average Daily Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

d Exceptions to the proposition that the Absolute Humidity was greater than the average in months when more than the average number of deaths occurred, and vice versa.

e Exceptions to the proposition that the Czone was less than the average in months when more than the average number of deaths occurred, and vice versa.

f Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

The several diarrheal diseases classed together in Table 84 caused fewer deaths in 1883 than the average for twelve years, although more than were returned for the year 1882. The highest number was reported in 1881, corresponding with the increased number of deaths for that year. The increased mortality from cholera infantum for the last few years is quite marked. Table 84 is designed to take the place of Table XXI, in previous Reports.

TABLE 84.—Deaths returned from Diarrheal Diseases in Michigan during the Years 1872-1883, and the Average for Twelve Years.

YEARS.	Diarrhea.	Dysen- tery.	Cholera Infantum.	Cholera,	Enteritis.	Diarrhea Diseases
1872	437	456	394	9	234	1,530
1873	383	319	306	9	285	1,302
1874	380	304	278	6	208	1,176
1875	283	162	289	2	218	954
1876	304	195	331	12	239	1,081
1877	290	218	370	15	226	1,119
1878	173	158	243	4	214	792
1879	226	135	300	6	237	904
1880	310	160	499	26	267	1,262
1881	501	270	837	17	342	1,987
1882	259	96	428	13	276	1,072
1883	267	114	465	3	294	1,143
Average	318	216	397	10	253	1,194

Diarrhea.—The deaths returned from diarrhea in 1883 numbered 267, being 8 more than were reported in 1882. The annual average mortality for the twelve years, 1872-1883, was 318, or 51 more than was recorded in 1883. The record of mortality included every month of the year 1883, but the months of July, August, and September gave 70 per cent of the total number of deaths; August alone had a record of 80 deaths, or 30 per cent of the whole.

As has been repeatedly shown in these reports, the fatality of diarrhea occurs mostly among children under five years of age. For 1883, 86.14 per

cent of the decedents from this cause were under that age.

Table 85 shows the relation which the deaths from diarrhea sustained to certain meteorological conditions in 1883. It will be seen that there are only two exceptions to the proposition that more than the average number of deaths from diarrhea occurred in months when the Average Daily Temperature was higher than the average, and vice versa.

TABLE 85 .- Deaths Returned in Michigan from Diarrhea, by Months, during the Year 1883, and some coincident Meteorological Conditions.

		DEATH DIABI 180	RHEA,	TEMPERA DEGR. FAH	EES		PHER!	E, ETC.	3000	OZON RELA MAXI	TIVE	er Hour,-	(Barom-
BY I	MONTHS N ORDER NUMBER OF ATHS FROM IARRHEA, REATEST FIRST.	Number.	Per Cent of Total.	Average Dally Range during Day and following Night, by Registering Thermometer, Observed at 7 A. M.	Average of Dally Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.a	Weight, in Troy Ounces, of Vapor inhaled by one person in 24 hours,a	Weight, in Troy Ounces, of Vapor exhaled from air Passages in 24 hours in excess of Vapor inhaled.a.	Day,-7 A. м. to 2 г. м.	Night,-9 r. M. to 7 A. M.	Average Velocity of Wind, -Miles per Hour, -by Registering Anemometer.	Average Pressure of Atmosphere, etor Reduced to 32° Fahrenbeit.)
Year 1	883	267	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.18
Lpe	August	80	29.96	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	20,2
Av. No. of Deaths.	September	54	20,23	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.2
re ti Dea	July	53	19.85	19.06	68.36	4 76	6.02	3.76	7.92	291	2.80	10 3	g 29.1
MO	October	25	9.36	ь 15.70	46.73	4 76	3.22	2.01	9.67	2.87	3.28	9.4	29.2
Avera	ge	22	8,24	18,92	43.52	75	3.17	1.98	9,70	3.19	3.47	11.0	29.1
	June	15	5.62	ь 19.13	c 64.73	77	e 5.45	3.41	8.27	f 3.06	f 3.12	9.7	29.0
1ge	April	14	5.25	b 19.64	43.00	a 67	2.55	1.59	10.09	3.30	3.65	11.5	29.1
Less than the Average No. of Deaths.	December	6	2.25	15.13	26.89	80	1.66	1.04	10.64	3.25	3:74	12.0	g 29.2
Deat	January	5	1.87	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12,2	g 29.2
of l	February	5	1.87	18.38	20,03	81	1.29	.81	10.87	4.01	4.55	13,1	g 29,3
No.	March	4	1.50	b 21.44	24.63	75	1.39	.87	10.81	3.49	3.87	11.6	29,1
Le	May	3	1.12	ь 20.21	c 51.37	4 70	e 3.44	2.15	9.53	3.31	3.81	11.9	29.0
	November	3	1.12	16.34	38.10	76	2.43	1.52	10.16	1 2.97	1 3,22	14.4	29.1

and vice versa.

• Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was higher than the average, and vice

f Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the amount of Ozone in the Atmosphere was less than the average, and

s Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Average Daily Pressure of the Atmosphere was greater than the average, and vice versa.

Scarlet Fever. - The total number of deaths reported in 1883 from scarlet fever was 673, which was the largest number ever returned in this State. The average annual mortality from this malady, including a period of twelve

See foot-notes to Table 81, page 213.

b Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Average Dally Range of Temperature was greater than the average,

tersa.

4 Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was less than the average, and vice versa.

• Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was greater than the average, and vice versa.

years, 1872-1883, was 472, a number less by 202 than was recorded in 1883. The very great degree to which scarlet fever selects its victims from among young children may be seen by reference to Table 72, where 370, or 54.98 per cent of all the deaths in 1883 were those of persons under five years of age; 561, or 83.36 per cent were under ten years of age.

With regard to season of year, as usual the greatest mortality occurred in the cold months, the largest number being in April and the least in August.

TABLE 86.—Deaths Returned in Michigan from Scarlet Fever, by Months, during the Year 1883, and some coincident Meteorological conditions.

	Months	SCA FET	THS OM RLET VER, 83.	TEMP TUI DEGI F'AI	REE,		ET.	or A		OZON RELAT MAXI =1	MUM	Miles per Hour,-	(Barom-
5	NONTHS IN ORDER BY NUMBER OF DEATHS FROM SCARLET FEVER, GREATEST FIRST.	Number.	Per Cent of Total.	Av. Daily Range during Day and following Night by Registering Thermometers. Obs. at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains of Vapor, in a Cubic Foot of Air.a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours."	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled.a.	Day,-7 A. M. to 2 P. M.	NIght, -9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per l by Registering Anemometer.	Average Pressure of Atmosphere, eter Reduced to 32° Fahr.
Year	1883	673	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
	April	74	11.00	19.64	43.00	67	2.55	1.59	10.09	3.30	3,65	11.5	29.125
100	March	69	10.25	21.44	24.63	75	1.39	.87	10.51	3.49	3.87	11.6	29.145
of Deaths.	December	68	10.10	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29,203
cati	May	64	9.51	20.21	b51.37	70	e 3.44	2.15	9.53	3.31	3.81	11.9	29.093
of L	February	60	8.91	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	29.328
More	January	59	8.77	17.64	15.78	82	1.11	.69	10.99	3 88	4.55	12.2	29.221
2	July	59	8.77	19,06	₽68.36	76	◦ 6.02	3.76	7.92	2.91	2.80	10.3	29.140
Ave	rage	56	8.32	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29,189
4 .	( November	53	7.87	16.34	ь 38.10	76	c 2.43	1.52	10.16	2.97	3.22	14.4	29.189
No of Deaths.	June	50	7.43	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.072
De	October	44	6.54	15,70	46.73	76	3.22	2.01	9.67	2.87	3.28	9.4	29,270
0.0	September	43	6,39	21.68	57.24	75	4,31	2.69	8.99	2.65	2.61	8.1	29,238
No	August	30	4.46	22.65	65,41	71	5.20	3.25	8.43	2.63	2.40	8.0	29,235

See foot-notes to Table 81, page 213.
 Exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than the average number of deaths from Scarlet Fever occurred, and vice versa.

• Exceptions to the proposition that the Absolute Humidity of the Atmosphere was less than the average in months when more than the average number of deaths from Scarlet Fever occurred, and vice versa.

Table 86 shows the relation of deaths from scarlet fever to certain atmospheric conditions. The proposition that the Average Daily Temperature was colder than the average in months when more than the average number of deaths

from scarlet fever occurred and vice versa, holds true in nine out of twelve months of 1883.

Consumption.—This disease still maintains its conspicuous place at the head of the causes of death in Michigan. In 1883 consumption was the occasion of 1,992 deaths, the largest number ever returned in this State for a single year. The average annual mortality from this cause for the fourteen years 1869-1882, was 1,567. The per cent of deaths from consumption to deaths from all causes is quite uniform from year to year, ranging from 10.15 per cent in 1873, to 13.48 per cent in 1869. The per cent in 1883 was 11.78, and the average for fourteen years, 1869-1882, was 11.96. These facts indicate that while the deaths from consumption have advanced during these years, still the increase has not been out of proportion to the advance in population.

Of the 1,992 deaths from consumption in 1883, 912 were males and 1,080 were females. There were, therefore, 84 male decedents to 100 females, or 54.22 females, and 45.78 males in each 100 decedents. During the fifteen years from 1869 to 1883, inclusive, the number of deaths returned from consumption in Michigan was 23,924, of which 11,068 were males and 12,856 were females. There were 86 male decedents to each 100 female decedents during all these years, or 46.26 males, and 53.74 females in each 100 decedents.

The following tabulated statements show the influence which the months and seasons have upon the mortality from consumption. In 1883, the largest monthly number of deaths occurred in April, and the largest quarterly period was the second. The least number of deaths was returned for January, and the quarter ending in March also reported the fewest deaths. For the fifteen years, 1869-1883, the highest monthly mortality appears for December and the lowest for January. The highest quarterly period was the second, thereby corresponding with the returns for 1883.

In reference to age, it may be noticed that the greatest mortality occurs between 20 and 30, not only for the year 1883, but also for the fifteen years; the relative proportions between the different periods of life differing but little in the two tabulations. From 5 to 40 the mortality among females was in excess, which reached its highest relative proportion between 20 and 30, at which period there were in the fifteen years but 65 deaths among males to 100 deaths among females. After 40 the deaths among males exceed those among females in the proportion of 127 to 100.

Table 87 shows the relation of deaths from consumption in 1883 to certain atmospheric conditions. There are five exceptions to the proposition that the Average Daily Temperature was higher than the average in months when more than the average number of deaths from consumption occurred, and vice versa.

Mortality from Consumption, by Months and Quarters, 1883.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
Months	125	137	186	197	182	183	168	183	146	149	138	190	8
Quarters		448			562			497			477		-
Per Cent		22.49			28,21			24.95		0.00	23.95		.40

### al Mortality from Consumption by Sex, Months, and Age, 1869-1883.

	Sz	IX.							Mo	NTH	8.					
	Males.	Females.	Total.	January.	February.	March.	April	May,	June.	July.	August.	September,	October,	November.	December.	I Unknown.
es	11,068			632	743	995	1,051	1,030	882	863	943	991	913	896	1,067	45
nales		12,856		753	881	1,056	1,147	1,169	1,043	1,053	1,117	1,201	1,101	1,009	1,226	DO
als		-	23,924	1,385	1,624	2,051	2,198	2,199	1,925	1,916	2,060	2,192	2,014	1,955	2,313	92
rters					5,060			6,322			6,168		1	6,282		
Cent					21.15			26.43			25.78		0.0	26.26		2
		1						A	axs.							-
		Under 5.	5 to 10.	10 to 15.	1000	15 to 20.	20 to 30.	30 to 40.	40 to 50.		50 to 60.	60 to 70.	70 to 80.	So and	over.	Unkno'n.
es		. 8	25 1	17	168	643	2,442	1,83	2 1,	430 1	1,285	1,255	73	6 3	118	187
nales		75	16 16	30	397	1,492	3,732	2,27	3 1,	302	209	830	51	0 1	105	200
als		1,0	21 3	17 1	565	2,135	6,174	4,10	5 2,	792 1	2,284	2,085	1,24	6 5	193	28
						8.92	25.81		6 11	.67	9.55	8.71	5.2	1 .		1.63

## Mortali'y from Consumption, by Sex and Age, 1883.

AGES.	Total Deaths.	Deaths from Consump- tion.	Per Cent at Several Ages.	Males.	Females
Under 31	7,488	337	6.88	73	64
10 to 20	1,181	260	12.05	76	354
20 to 30	1,583	547	27.46	233	315
36 to 40	1,158	354	17.77	146	206
45 to 50	988	200	30.04	97	103
50 to 60	1,090	183	9.19	350	80
00 to 70	1,254	100	8.45	26	71
70 to 81	1,939	110	5.50	65	45
80 and over	698	16	.80		1.61
Age not stated	295	25	1.81	24	22
Totals	36,506	1.992	200,00	932	1,080

TABLE 87 .- Consumption .- Deaths from Consumption returned in Michigan, by Months, during the Year 1883, and some coincident Meteorological conditions.

1	MONTHS	CONSUS	s From MPTION, 83.	TEMPER. DEGE FAR	EES		PHEI	Y OF A	U	OZON RELA MAXI = 1	TITE MUM	Vind, Miles Per Anemometer,	34° Fahr.)
DE CO	ORDER BY UMBER OF ATHS FROM NSUMPTION, BREATEST FIRST.	Number.	Per Cent of Total.	Average Daily Range during Day and foling Night, by Reg. Thermometers, Observed at 7 A. M.	Average of Dally Observa- tions at 7 a. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight in Grains, of Vapor in a Cubic Foot of Air. a	Weight, in Troy Ounces, of Vapor inhaled by one Person in 24 hours, a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled, a	Dау-7 А. М. 10 2 Р. М.	Night-9 P. M. to 7 A. M.	Average Velocity of Wind, Hour, by Registering Anen	Average Pressure of Atmospher (Barometer Reduced to 32" Fahr.)
Year	, 1883	b 1,984	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
0	April	197	9.93	19.64	a 43.00	67	9,55	4 1.59	10,09	3.30	3.65	11.5	29.125
the Average Deaths.	Dec	190	9.58	15.13	c 26.89	80	1.66	4 1.04	10.64	3.25	3 74	12.0	29.205
athe	March	186	9.37	21.44	c 24.63	75	1.39	d .87	10.81	3.49	3.87	11.6	29.145
De	June	183	9.22	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.072
nan o of	Aug	183	9.22	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	29.233
Nore than No of	May	182	9.17	20.21	51.37	70	3.44	2.15	9.53	3.31	3.81	11.9	29,099
Mo	July	168	8.47	19.06	68.36	76	6.02	3.76	7.92	2.91	2.80	10.3	29.140
Ave	rage	165	8.32	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.180
4	Oct	149	7.51	15.70	c 46.73	76	3.22	d 2.01	9.67	2.87	3.28	9.4	29,275
ess than the Av.	Sept	146	7.36	21.68	c 57.24	75	4.31	d 2,69	8.99	2.65	2.61	8.1	29.238
De	Nov	138	6.96	16.34	38,10	76	2.43	1.52	10.16	2.97	3.22	14.4	29.185
o of	Feb	137	6.91	18.38	20.03	81	1.29	.81	10.87	4.01	4.55	13.1	29.528
Less No.	Jan	125	6.30	17.64	15.78	82	1.11	.69	10.99	3.88	4.55	12.2	29,221

Pneumonia.—The number of deaths returned from pneumonia in 1883 was 737, two more than were recorded in 1882. The average annual number of deaths from this cause for the fourteen years, 1869-1882, was 625, while the average for ten years, 1874-1883, was 689. The percentage of deaths from pneumonia to deaths from all causes, in 1883, was 4.36, while the average percentage for fourteen years, 1869-1882, was 4.70.

Of the 737 decedents from pneumonia, in 1883, 411 were males, and 326 were females, or there were 126 males to each 100 females. This proportion, for 1883, is much smaller than the average for ten years, 1873-1882, which was 140 males to each 100 females.

a See foot notes to Table 81, page 213.
b Excluding 8 deaths in unknown month.
c Exceptions to the proposition that the Average Daily Temperature was higher than the average in months when more than the average number of deaths from Consumption occurred, and

vice versa.

4 Exceptions to the proposition that more than an average amount of vapor was inhaled in months in which there was more than the average number of deaths from Consumption and vice

March and April are the two most fatal months, not only for the year 1883, but also for the average for ten years. The largest number (104) was in April, and the smallest (27) in September. The period of life in which this lisease was most fatal was under five years of age, at which period 307, or 41.38 per cent of all the deaths occurred. This is about the usual average for that period. One hundred and eighty-three, or 24.83 per cent of the entire mortality from this cause were of persons over 50 years of age. It does not follow, however, because pneumonia is especially fatal at the extremes of life that it prevails the most at those epochs; on the contrary, it attacks all ages, but is resisted and recovered from more during middle life.

Table 89 shows the relation of deaths from pneumonia to certain atmospheric conditions. It appears that there are only three exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than an average number of deaths from pneumonia occurred

and vice versa.

TABLE 88.—By Months, the Number of Deaths Returned from Pneumonia, in Michigan, during each of the Years 1874–1883, and the Average for Ten Years ending with 1883.

				DE	BETA	FRO	M PN	EUM	ONIA,	1874	-1883			
YEAR.	Total.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1874	800	49	57	108	141	108	46	29	32	46	39	50	93	2
1875	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876	627	43	71	107	68	50	33	20	37	28	38	40	91	1
1877	465	58	56	64	60	39	24	14	23	26	26	35	38	
1878	462	36	37	59	54	37	30	15	19	22	35	53	65	
1879	701	44	92	114	102	59	36	30	31	42	25	45	80	1
1880	812	56	82	111	113	79	37	29	36	51	44	68	105	1
1881	805	77	88	126	100	70	37	39	29	47	55	43	91	3
1882	735	59	65	84	82	94	58	29	29	36	43	57	97	2
1883	737	76	61	97	104	89	40	30	42	27	41	53	76	1
Average for 10 years	689	58	73	100	91	70	38	26	30	36	39	49	80	2

TABLE 89.—Deaths returned from Pneumonia in Michigan during the year 1883, and some coincident Meteorological conditions.

		PNI	ATHS ROM UMO- , 1883.	TEMPER DEG FAI	REES	PH	ERE, E	TC., MO	NTHLY	OZO RELA MAXI	TIVE	Miles per	Pahr).
B	verage	Number.	Per Cent of Total.	Average Daily Range dur- ing day and fol'ing night, by Registering Therm'rs, Observed at 7 A. M.	Average of Daily Observa- tions at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight in Grains of Vapor in a Cubic Foot of Air.a	Weight in Troy Ounces, of Vapor Inhaled by one pers. n in 24 hours. a	Weight in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours, in excess of Vapor inhaled, a	рау, 7 А. М. 10 2 Р. М.	Night, 9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hoar, by Registering Anemometer.	Average Pressure of Atmosphere (Barometer reduced to 32° Fabr).
Year	r, 1883	736	100.00	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29.189
*	April	104	14.13	19.64	43.00	67	2.55	1.59	10.09	3.30	3.65	11.5	29.125
More than the Av.	March	97	13.18	21.44	24 63	75	1.39	.87	10.81	3.49	3.87	116	29.145
an t	May	89	12.09	20.21	c 51.37	70	3.44	d 2.15	9.53	3.31	3.81	11.9	29.000
e th	January	76	10.33	17 64	15.78	82	1.11	.69	10.99	3.88	4,55	12,2	29,221
Mor	December	76	10.33	15.13	26.89	80	1.66	1.04	10.64	3.25	3.74	12.0	29.205
Avei	rage	61.3	8.33	18.92	43.52	75	3.17	1.98	9.70	3.19	3.47	11.0	29,182
	February	61	8.29	18.38	c 20.03	81	1.29	d .81	10.87	4.01	4 55	13 1	29,328
rag	November	53	7.20	16 34	c 38.10	76	2.43	d 1.52	10.16	2.97	3.22	14.4	29.182
Ave	August	42	5.71	22.65	65.41	71	5.20	3.25	8.43	2.63	2.40	8.0	29,233
the De	October	41	5.57	15 70	46 73	76	3,22	2.01	9.67	2.87	3.28	9.4	29.275
Less than the Average No. of Deaths	June	40	5.43	19.13	64.73	77	5.45	3.41	8.27	3.06	3.12	9.7	29.072
N N	July	30	4.07	19.06	68.36	76	6.02	3.76	7.92	2.91	2.80	10.3	29.140
H	September	27	3.67	21.68	57.24	75	4.31	2.69	8.99	2.65	2.61	8.1	29.238

<sup>\*</sup> See foot-notes to Table 81, page 213.

b Excluding 1 in unknown month.
c Exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than an average number of deaths from Pneumonia occurred, and vice vers 4.
d Exceptions to the proposition that less than the average amount of vapor was inhaled is months when more than an average number of deaths from Pneumonia occurred, and vice versa.

Table 90 affords an opportunity of comparing the mortality from consumption, pneumonia, typhoid fever, scarlet fever, and diarrhea, in each of the eleven geographical divisions of the State. It will be seen that in 1883 consumption was the most fatal in the Southern Central division, pneumonia in the South-western, typhoid fever in the Upper Peninsular, scarlet fever in the North-western, and diarrhea in the South-eastern. Over 19 per cent of all the deaths in the North-western division were from scarlet fever alone. The number of counties included in each division may be seen by reference to Table 69.

TABLE 90.—Exhibiting, for the State and Eleven Geographical Divisions in 1883, the Number and Per Cent of Deaths Returned from All Causes, from Consumption, Pneumonia, Typhoid Fever, Scarlet Fever, and Dearrhea.

	Deaths	CONA		Pagua	MIA.	Typi F.v	IOID '4R.	POAR		DIAR	RHEA.
STATE AND GEOGRAPHICAL DIVISIONS.	from All Causes, 1883.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per ('ent to D'aths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.
State	16,906	1,992	1L78	737	4 34	439	2.60	673	3.98	267	1.58°
Opper-Peninsular	1,007	85	8.44	39	8.87	46	4.57	44	4.37	9	.89
North-western	630	47	7.46	83	5.24	15	2.40	123	19.52	12	1 90
Morthern	891	41	10.49	15	8.84	6	1.53	18	4.60	6	1.53
Korth-eastern	310	34	10 97	9	2.90	3	.97	24	7.74		
Western	1,988	253	12.78	89	4.48	52	2.62	89	4 47	52	2 62
Northern Central	467	52	11 13	14	3.00	16	3.43	17	3.64	4	.86
Bay and Eastern	2,618	275	10.50	94	3.59	83	8.17	81	3.09	46	1.76
Central	2,278	295	12,96	97	4.27	64	2.82	65	2.42	12	.53
South-western	940	133	14.15	62	6.60	24	2 55	11	1.17	4	.43
Southern Central	2,587	863	14.39	120	4.73	58	2.20	89	3.51	17	.67
South-eastern	3,745	412	11.00	165	4.41	72	1.92	112	2.99	105	2 80

In Table 91 may be seen the mortality from some of the most destructive zymotic diseases during a period of twelve years.

Deaths from dysentery and cholera infantum, two important zymotic diseases, may be found by reference to Table 84.

TABLE 91.—Mortality in Michigan from some of the Prominent Zymotic Diseases.—Twelve Year's.

Carron			. I	DISEASES	3.		
YEARS.	Typhoid Fever.	Whooping Cough.	Croup.	Diphthe-	Measles.	Scarlet Fever.	Small Pox.
1872	620	192	162	192	179	561	302
1873	677	206	172	217	244	573	90
1874	610	153	142	213	46	440	18
1875	433	101	167	207	134	423	26
1876	426	181	178	311	118	399	76
1877	446	131	164	593	62	404	102
1878	329	132	236	887	16	429	
1879	397	162	278	1,473	167	418	
1880	513	264	322	1,542	125	370	2
1881	884	142	380	2,063	256	383	85
1882	463	86	349	1,416	150	592	100
1883	439	92	336	1,007	258	673	-
Average	520	154	241	843	146	472	6

Not the least interesting feature of Table 92 is the increased number of deaths from Bright's disease since 1878. It is seen that 187 deaths were returned from this cause in 1883, while the average for the twelve years, 1872-1883, was only 56. Over 80 per cent of the decedents from Bright's disease in the past year were males, as may be seen by reference to Table 72. Season of year seems to have but little effect upon the fatality of this disorder, as 50.27 per cent of the deaths occurred in the first half of the year and 49.73 per cent in the second half.

**TABLE** 92.—Mortality in Michigan from some of the Principal Local Dissases.—Twelve Years.

			Dier	ABES.		
YEARS.	Convul- sions.	Heart Disease.	Bron- chitis.	Pleurisy.	Peri- tonitis.	Bright's Disease.
1872	· 145	810	25	20	13	11
1878	156	827	25	18		16
1974	144	840	84	15	8	14
1875	164	308	48	14	14	11
1876	185	839	43	19	8	22
1877	298	394	42	14	8	35
1878	288	368	46	16	11	82
1879	275	451	53	90	16	36
1880	848	482	50	26	12	80
1881	887	518	76	19	90	89
1862	356	562	106	16	21	188
1888	344	684	89	20	16	187
Average	254	424	53	18	13	56

The developmental diseases, given in Table 93, show an increase in 1883, over those for 1882, and also over the average for twelve years. Deaths from old age show an increase of 183, and the deaths of infants, both before and after birth, an increase of 326 over the average for the past twelve years. The number of deaths from child-birth in 1883 was much larger than the average, and was exceeded in only one year of the twelve, that of 1873. Deaths from abortion were three more, and from puerperal convulsions the same as the average. The mortality from the term "teething' was lower than for the past few years, and also for the average.

TABLE 93.—Mortality in Michigan from Chief Developmental Diseases.—
Twelve Years.

			Dist	A B B 5.		
YEARS.	Teething.	Still-born, Infantile, Prema- ture.	Child- birth.	Abortion.	Puerp. Convul- sions.	Old Age.
1872	103	301	218	10	4	400
1873	106	346	254	9	5	428
1874	89	510	197	7	4	428
1875	71	701	173	10	5	873
1876	77	· 716	141	7	6	483
1877	66	785	151	6	. 5	489
1878	60	858	161	7	3	579
1879	40	787	193	12	5	608
1880	49	908	193	6	2	625
1881	84	761	192	8		725
1882	83	890	199	9	8	647
1883	55	1,034	221	12	4	796
Average	74	708	191	9	4	543

TABLE 94.—Mortality in Michigan from some of the Prominent Violent Causes.—Twelve Years.

YEARS.	Burns and Scalds.	Poison.	Railroad Acci- dents.	Drowning.	Freezing.	Homicide.	Suicide.	Total.
1872	54	23	39	90	3	8	35	252
1873	88	21	53	107	3	16	39	327
1874	71	21	47	116	5	11	53	324
1875	70	15	33	J08	. 4	17	52	299
1876	66	19	37	172	4	12	54	364
1877	60	21	42	103	1	14	66	307
1878	66	27	46	117	2	11	63	332
1879	64	15	40	122	5	15	59	320
1880	64	22	40	179	3	7	65	390
1881	175	25	75	125	2	15	57	474
1882	57	22	58	140	3	11	62	353
1883	65	33	109	158	•••••	15	91	471
Average	75	22	52	128	3 .	13	58	350

The number of deaths from some of the principal violent causes for the past twelve years may be seen in Table 94. The greatest increase in 1883 over the

average was from railroad accidents, drowning, and from suicide.

Table 95 shows the number of deaths returned in Michigan from disorders of the brain for the past twelve years, and also the average for those years. One important fact is here made apparent, by a study of this table, that diseases of the brain have decidedly increased during the past twelve years. In 1883, 16 males and 6 females were returned from softening of the brain; 39 males and 46 females from apoplexy; 206 males and 139 females from paralysis; 13 males and 9 females from insanity; 163 males and 130 females from cephalitis; and 85 males and 61 females from unspecified brain diseases. Total, 913,—522 males, 391 females.

TABLE 95.—Deaths in Michigan from Brain Disorders.—Twelve Years.

YEARS.	Softening of the Brain.	Apoplexy.	Paralysis.	Insanity.	Cephalitis and Un- specified Brain Diseases.	Totals.
1872	17	70	154	11	522	774
1873	19	81	170	12	514	796
1874	15	63	169	7	406	660
1875	29	89	170	8	338	634
1876	30	107	230	13	452	832
1877	29	85	246	17	456	833
1878	25	91	241	11	370	738
1879	25	103	262	7	400	797
1880	27	119	278	8	475	907
1881	23	110	258	10	541	942
1882	36	87	857	8	448	938
1883	22	85	345	22	439	913
Average	25	91	240	11	447	814

As might be expected from Table 96, deaths from old age and those aged 70 and over occurred in the largest proportion in the older and longer settled portions of the State, while deaths from those aged under 5 occurred in the greatest ratio in the newer portions of the State.

TABLE 96.—Exhibiting, for the State and Eleven Geographical Divisions, the Number and Per Cent of Deaths Returned at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5, during the Year 1883.

111	1	OLD	AGE.	AGED 70 A	ND OVER.	AGED U	NDER 5.
STATE AND GEOGRAPHICAL DIVISIONS,	Deaths at All Ages, 1883.	Number of Deaths.	Per Cent to Deaths at All Ages, by Geo- graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages, by Geo- graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages, by Geo- graphical Divisions.
State	16,906	726	4 29	1,937	11.46	6,469	38.96
Upper-Peninsular	1,007	20	1.99	38	3.77	514	51.04
North-western	630	9	1.43	- 22	3.49	334	53.02
Northern	391	10	2,56	24	6.14	188	48.08
North-eastern	310	6	1.94	19	6.13	168	54.19
Western	1,988	63	3.17	177	8.90	834	41.95
Northern-Central	467	12	2.57	28	6.00	180	38.54
Bay and Eastern	2,618	106	4.05	220	8.40	1,162	44.38
Central	2,273	113	4.97	338	14.87	666	29.30
South-western	940	47	5.00	163	17.34	285	30.32
Southern-Central	2,537	156	6.15	516	20.34	619	24.39
South-eastern	3,745	184	4.91	392	10.47	1,519	40.56

Table 97 shows the average age at death of each of the sexes, and of both, for the years 1881, 1882, 1883, and the average for ten years 1873-1882. The average age at death in 1883 was slightly more advanced, in both sexes, than in 1882, and also more than for the average. It will be seen that the average age of all the male decedents in 1883 was twenty-seven years, and of all the female decedents 26 years. Of those who died aged 20 years and over, the average age of the males was 54 years, and of the females 50 years. Of the deaths from consumption in 1883, the average age of the males was 38 years, and the average age of the females 33 years.

TABLE 97.—Showing the Average Age of Decedents in Michigan during the Years 1881, 1882, 1883, and the Average for Ten Years 1873-1882.

The second second				AGE IN	YEARS YEAR,
	YEAR ENDING	Total.	Males,	Fe- males,	Excess Males.
Deaths as shown by Registration Returns	) (	24.08	24.55	23.70	.8
Deaths of Native-born Inhabitants, as shown by Regis-	16	18.86	18.74	19.14	40
Deaths of Foreign-born Inhabitants, as shown by Reg- istration returns  Deaths from Consumption, by Registration returns		45.43 35.88	46.03 37.04	44.66 33,93	1.37
All aged 20 and over whose occupations were stated in Registration returns of deaths	Dec. 31, 1881.	51.61	53,12	49.90	3.25
All who died aged 20 years and over as shown by Reg- istration returns.		51.35	52.60	49.90	2.70
Deaths of Native born Inhabitants aged 20 years and over, as shown by Registration returns		50.37	52.38	48.31	4.07
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration returns	1	52.76	52.80	52.74	,00
Deaths as shown by Registration returns	1 1	25.74	26.46	25.07	1.39
Deaths of Native-born Inhabitants as shown by Regis- tration returns		20.16	20.33	20.12	.21
Deaths of Foreign-born Inhabitants as shown by Regis- tration returns	i	46 51	47.58	45 84	1.74
Deaths from Consumption by Registration returns All aged 20 and over whose occupations were stated in	Dec. 31, 1882.	36.43	59.16	34.22	4.94
Registration returns of deaths	1	52,24	53,56	50.78	2.78
tration returns.  Deaths of Native-born Inhabitants aged 20 years and		52.22	53.51	50.74	2.77
over, as shown by Registration returns Deaths of Foreign-born Inhabitants aged 20 years and		51.49	53.71	49.19	4.52
over, as shown by Registration returns	, ,	53.42	54 12	53.37	.75
Deaths as shown by Registration returns Deaths of Native born Inhabitants as shown by Regis-		26.81	27.55		1.18
tration returns Deaths of Foreign-born Inhabitants, as shown by Regis-		20.88	21.13	20.81	.32
Deaths from Consumption by Registration returns		47.90 35.71	47.61 38.16	46.03 33.69	1.58
All aged 20 and over whose occupations were stated in Registration returns of deaths	Dec. 31, 1883.	52,24	55.41	49.01	6.40
All who died aged 20 years and over, as shown by Reg istration Returns		51.97	54.06	50.13	3,93
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration returns		51.11	54.04	48.11	5.93
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration returns	1	53.87	52.81	52.62	.19
Deaths as shown by Registration returns	1 1	26.10	26.76	25.40	1.36
Deaths of Native-born Inhabitants, as shown by Regis- tration returns		20.84	21.40	20.86	.54
Deaths of Foreign-born Inhabitants, as shown by Reg-		47.35	47.93	45.92	2.01
Deaths from Consumption by Registration returns All aged 20 and over whose occupations were stated in	Av. for 10 y.,	36.22	39.25	33.73	5.52
Registration returns of deaths	1873-1882.	51,66	53 96	49.48	4.48
tration returns		51.62	53.42	49.58	3.84
over, as shown by Registration returns	1	51.08	53.85	48.71	5.14
over, as shown by Registration returns	)	53.05	53.70	52.00	1.70

#### OCCUPATIONS.

Table 98 shows the occupations, so far as stated, of those who died in Michigan during the fourteen years from 1870 to 1883. All under twenty years of age are excluded from the table. As the statistics here presented give the average age at death among the different classes of occupations for a period of fourteen years, they are more valuable than those for any single year. They are arranged under several classes by way of comparison, so as to throw some

light upon the healthfulness of different pursuits.

Cultivators of the earth have an average at death of 58.32 years, being the highest of any of the classes in the table. In 1882, for a single year, the average age among cultivators of the earth was 59.58 years. Next in order comes unemployed with an average age of 55.23 years, then professional men with an average age of 52 23 years. The shortest lived were those classified as seafaring men—Class VII.—whose average age was only 41.76 years. The particular occupations included in each class may be seen by reference to the table, where it will be quite interesting to note the average age of some of the more important trades and professions.

If the number and average age of the living among these various classes of persons were known, it would add greatly to the value of these statistics. Change of occupation is the rule rather than the exception in this country, and for this reason, the facts here given are not of as much value as in countries where father and son follow the same pursuit from generation to generation.

TABLE 98.—Exhibiting, by Classified Occupations, the Number, Aggregate and Average Age of Decedents in Michigan aged 20 Years and Over, for the 14 Years, 1870–1883. One-half Year added to Age of each for Months and Days excluded.

CLASS.	OCCUPATIONS,—14 YEARS 1870-1883.		AGE IN YEARS AND HUNDREDTHS OF A YEAR.		
		Persons.	Aggregate.	Average.	
	ALL AGED 20 YEARS AND OVER	75,679	3,905,464.50	51.6	
	ALL SPECIFIED OCCUPATIONS,—AGED 20 YEARS AND OVER	71,095	3,668,072.50	51.5	
	OCCUPATIONS UNSPECIFIED, -AGED 20 YEARS AND OVER	4,584	237,392.00	51.79	
I.	CULTIVATORS OF THE EARTH	21,011	1,225,407.50	58.8	
II.	ACTIVE MECHANICS ABROAD.	2,188	113,101.00	51.69	
III.	ACTIVE MECHANICS IN SHOPS	2,750	139,946.00	50.8	
IV.	INACTIVE MECRANICS IN SHOPS	1,383	71,810.50	51.99	
v.	LABORERS,-NO SPECIAL TRADES	6,774	298,986.00	44.1	
VI.	AGENTS, LABORERS ABROAD, ETC	1,386	59,555.00	42.97	
VII.	SEAFARING MEN.	534	22,302.00	41.76	
VIII.	SOLDIERS	32	1,617.00	50.58	
IX.	BUSINESS MEN.	3,171	150,060.50	47.39	
X.	PROPESSIONAL MEN	1,216	63,510.00	32.2	
XI.	UNEMPLOYED	2,977	164,429.50	55.23	
XII.	FEMALES	32,257	1,594,739.50	49.44	

TABLE 98 — CONTINUED. — Occupations of Decedents, Etc.

CLASS.	OCCUPATIONS,—14 YEARS, 1870-1888.	Number of	AGE IN YE HUNDRED A YE	TE OF
		Persons.	Aggregate.	Average
ı.	CULTIVATORS OF THE EARTH	21,011	1,225,407.50	58.
	Farmers	20,702	1,208,856.00	58.
	Farm Laborers	107	8,879.50	36.
	Fruit Growers	12	640.00	53.
	Gardenera	142	8,774.00	61.
	Nurserymen	11	552.50	50.
	Retired Farmers	87	2,705.50	73.
IL.	ACTIVE MECHANICS ABROAD,	2,188	118,101.00	51.
	Brick-makers	23	1,321.50	57.
	Carpenters and Builders	1,581	80,759 50	51
	House-movers	5	290.50	58.
	Masons	428	22,362.00	52.
	Millwrights	64	8,959.00	61.
	Ship Carpenters	47	2,456.50	52.
	Stone Cutters	40	1,952.00	48.
III.	ACTIVE MECHANICS IN SHOPS	2,750	189,946.00	50.
	Bakers.	71	8,820.00	51
	Blacksmiths	522	28,603.00	54.
	Boiler-makers	23	899.50	89.
	Book-binders	8	343.00	42.
	Brewers	75	3,498.50	46.
	Broom-makers	7	369.50	52.
	Cabinet-makers	117	6,219.50	53.
	Carriage-makers	137	7,885.50	57.
	Carriage Trimmers	6	292.00	48.
	Confectioners	15	698 50	46.
	Cooks	80	1,421.00	47.
	Coopers.	272	15,280.00	56.
	Coppersmiths	8	488.00	61.
	Dyers.	11	590.50	53,
	Finishers	15	454.50	30.
	Foundrymen	11	539.50	49.
	Gilders	7	232.50	33.
	Gunsmiths.	39	2,227.50	57.
	Machinists	159	8,177.50	51.
	Marble-workers	18	723 00	40.
	Mechanics	342	16,840.00	47.

TABLE 98.—CONTINUED.—Occupations of Decedents, Etc.

CLASS.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of	Age in Ye Hundrei A Yi	ARS ANI PTES O LAR.
	, ,	Persons.	Aggregate.	Averag
	Millers	901	10,964.50	54
	Model-makers	14	758.00	54
	Molders	101	8,962,50	39
	Painters	278	11,705.00	45
	Plasterers	15	754.50	50
	Plumbers	17	771.50	4
	Potters	5	341.50	6
	Sail-makers	4	195.00	4
	Saw-makors	4	199.00	4
	Spinners	51	3,623.5	7
	Stove-mounters	7	294.50	4:
	Tanners	30	1,671.00	5.
	Tinners	1	2,720.50	4
	Turners	21	864.50	4
	Upholaterers	16	553.00	3
	Wagon-makers	90	1,222.00	6
	Wood Carvers	5	242.50	4
IV.	INACTIVE MECHANIC IN SHOPS	1,383	71,810.50	5
	Barbers	101	4,124.50	44
	Basket-makers	13	893.50	6
	Cigar-makers	86	3,098.00	3
	Harness-makers	122	5,603.00	4
	Jewelers	80	3,851.00	4:
	Lithographers	4	96.00	24
	Printers	89	3,098.50	8
	Shoemakers	550	32,874.00	54
	Silversmiths	4	151. <b>0</b> 0	37
	Tailors	294	16,600.00	56
	Telegraphers	40	1,419.00	3
v.	LABORERS, No SPECIAL TRADES.	6,774	208,986.00	44
	Choppers	8	285.00	33
	Ditchers	8	497.00	62
	Janitors	16	9 <b>5</b> 6 <b>.00</b>	59
	Laborers	5,680	255, 190.00	44
	Loggers	22	728.00	83
	Mill-hands	165	6,616.50	40
	Miners	670	26,191.00	39.

### CAUSES OF DEATH,—OCCUPATIONS.

TABLE 98.—CONTINUED.—Occupations of Decedents, Etc.

	OCCUPATIONS,-14 YEARS, 1870-1883.	Number of	AGE IN YE Hundrod A Ye	THS OF
_ _		Persons.	Aggregate.	Average.
L	ABORERS,-NO SPECIAL TRADES-(Continued.)			
1	Miscellaneous	112	5,226.04	46.66
1	Porters	15	517.50	34.50
1	River Men	12	330.00	27.5
1 8	Salt Packers	4	222.00	55 5
5	Servants	27	1,056.50	39.1
1	Well-diggers	13	514.50	39.5
1	Woodsmen	22	658.00	29.9
. 🗚	GENTS, LABORERS ABROAD, ETC	1,386	59,555.00	42.9
1	Agents	79	3,687.50	46.6
1	Baggagemen	18	693.00	38.5
1	Brakemen	91	2,475.50	27.2
) )	Butchers	172	7,773.00	45.1
1.	Collectors	8	373.00	46.6
•	Commercial Travelers	27	1,105.50	40.9
•	Conductors	46	1,653.00	36.8
,	Constables	11	526 50	47.8
١,	Draymen	59	3,063.50	51.9
1	Drovers	38	1,822 00	47 9
1	Hackmen	35	1,718 50	49
١,	Hostlers	12	532.00	44.
1	Hunters and Trappers	30	1,449.00	48.3
	Milk Peddlers	7	433.50	61.9
] ,	Overseers and Superintendents	23	1,046 50	45.4
1 :	Peddlers	98	4,829 00	49 9
1	Policemen	18	710.00	39.4
١,	Railroad Engineers	248	9,981.00	40.5
	Railroad Expressmen	11	475.30	43.5
	Railroad Firemen	42	1,326.00	31.4
	Railroad Laborers	110	4,223.00	38.3
	Railroad Men	30	1,386.00	46.9
1,	Sextons	7	1	i
1,	Switchmen	10	275.00	
	Teamsters	133	ľ	1
1	Tollgate-keepers	4	,	Î
- 1	Watchmen	14	1	1
1	Whitewashers.			ł

## VITAL STATISTICS OF MICHIGAN, 1883.



# TABLE 98.—CONTINUED.—Occupations of Decedents, Etc.

CLASS.	OCCUAPTIONS,-14 YEARS, 1870-1883.	Number of	AGE IN YE HUNDREI A YE	THE OF
		Persons.	Aggregate.	Average
VII.	SEAFARING MEN	584	22,302.00	41.
	Fishermen	95	4,331.50	45.
	Officers	38	1,868.00	49.
	Sailors	396	15,819.00	39.
	United States Navy	5	290.50	58.
III.	Soldiers	32	1,617.00	50
	Officers	5	276.50	58
	Soldiers	27	1,340.50	45
ıx.	Business Men	3,171	150,060 50	4
	Bankers	68	8,863.00	5
	Book keepers	150	5,949.00	3
	C pitalists	45	2,689.50	5
	Clerks	398	13,515.00	8
	Commission Merchants	18	968.00	5
	Contractors and Jobbers	46	2,651.00	
	Druggists	80	3,497.00	4
	Furniture Dealers	6	261.00	4
	Grain Buyers	16	803.00	
	Grocers	139	6,550.50	4
	Hatters	14	771.00	
	Hotel Clerks	6	226.00	8
	Hotel-keepers	221	11,401.50	
	Insurance Agents.	35	1,824.50	
	Justices of the Peace	26	1,702 00	6
	Liquor Dealers	13	566.50	4
	Livery men	44	1,949.00	4
	Lumbermen	361	16,723,50	4
	Manufacturers	140	7,148.00	5
	Merchants	797	41,124.50	5
	News Agents	10	379.00	8
	Public Officers	108	5,616.00	5
	Real Estate Dealers	37	2,114.50	5
	Restaurant-keepers	20	936 00	4
	Salesmen	44	1,914 00	4
	Saloon-keepers	300	13,251.00	4
	Undertakers	14	758.00	5
	All Others	15	908.50	64

TABLE 98.—Continued.—Occupations of Decedents, E/c.

LASS.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of	Age in Years and Hundredths of a Yrab.	
		Persons,	Aggregate.	Average.
X.	PROFESSIONAL MEN	1,216	63,510.00	52.23
	Actors	6	247.00	41.17
	Architects	9	434.50	48.28
	Artists	24	989.00	41.21
	Attorneys at Law	178	9,477.00	53.24
	Civil Engineers	87	2,131.50	57.61
	Clergymen	238	15,203.00	63.88
	Dentists	39	1,742.50	44.68
	Editors	27	1,191.50	44.13
	Judges	4	222.00	55.50
	Musicians	35	1,581.50	48.76
	Photographers	18	479 50	36.87
	Physicians	365	20,621.50	56.50
	Students	63	1,462,50	23.21
	Teachers	160	6,718.00	41.99
	Veterinary Surgeons	18	1,059.00	58.83
жī.	Unemployed	2,977	164,429.50	55.23
	Paupers	93	5,460.50	58.72
	Pensioners	5	384.50	76.90
	Retired	60	4,801.00	71.68
	Unemployed	1,072	63, 150.00	58.91
	Unknown	1,783	90,583.50	52.27
	All others	14	550.00	89.29
XII.	FBMALES.	82,257	1,594,739.50	49.44
	Actresses	3	81.50	27.17
	Agents	7	243.50	3 <b>4</b> .79
	Artists	9	419.50	46.61
	At Home	116	3,249.00	28.01
	Basket-makers	9	423.50	47.06
	Boarding-house keepers	19	1,127 50	59.34
	Book-keepers	3	153 50	51,1
	Cigar-makers	8	91.50	30.5
	Clerks	22	644 00	29.2
	Confectioners	. 6	259.00	43.1
	Domestics	648	25,882.00	39,9
	Dress-makers	204	6,854.00	33.6
	Druggists		154.50	51.5

### VITAL STATISTICS OF MICHIGAN, 1883.

## TABLE 98.—Continued.—Occupations of Decedents, Etc.

CLASS.	OCCUPATIONS,—14 YEARS, 1870-1883.	Number of	AGE IN YEA HUNDE'D A YE	DTES OF
		Persons.	Aggregate.	Average.
XII.	FEMALES—(Continued.)			1
	Farmers	2,016	108,608.00	\$3.87
	Hair-dressers	14	495.00	35,36
	Hotel-keepers	38	1,729.00	45.32
	Housekeepers	8,132	422,168.00	51.91
1	Housewives	12,840	1 1	ı
1	House-workers	896	41,179.00	44.8
l	Laborers	211	10,470.50	49.4
1	Manufacturers	8	400.00	50.0
	Matrons	72	3,762.00	52.9
1	Merchants	38		48.8
	Millers	8	424.00	53.0
	Milliners	122	, ,	1
	Ministers	3	1	
	Miscellaneous	125	.,	1
	Musicians	20		
1	Nurses	53	1 .,	
	Paupers	1 1		1
	Physicians	1 1	1	1
	Prostitutes	1 -1	1	1
Ì	Saloon-keepers	9		1
Ì	Seamstresses	173	.,	
Ì	Spineters	10		
Ì	Students	22	1	
Ì	Tailoresses	101	,	1
ł	Teachers	360	, , , , , , , , , , , , , , , , , , , ,	1
•	Telegraphers	. 4		
i	Unemployed	2,869	159,498.50	55.
	Unknown	2,851	146,908.50	51.
Ì	Washerwomen	. 44	2,014.00	45.
ì	Weavers	. 85	5,747.50	67.
ì	Widows	10	1 1	I

#### EIGHTEENTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

### BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

FOR THE YEAR 1884.

BY THE

#### SECRETARY OF STATE,

OF THE

STATE OF MICHIGAN.



BY AUTHORITY.

LANSING: THORP & GODFREY, STATE PRINTERS AND BINDERS,

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#### STATE OF MICHIGAN.

DEPARTMENT OF STATE, OFFICE OF THE SECRETARY,
June 30, 1886.

HON. RUSSELL A. ALGER, Governor of Michigan:

SIR,—In accordance with the requirements of the law of this State I have the honor to submit herewith the Eighteenth Annual Report relating to Births, Marriages and Deaths, returned for the year ending December 31, 1884.

The present report, while embracing tables upon the same subjects, and formed after similar plans with those of last year, contains also some new features of interest. The Census of Michigan, taken by the State in 1884, has been made available in the preparation of this report, and constitutes a part of the tables. This affords an opportunity of comparing the rates of births, marriages and deaths among the native and foreign population. These figures are obviously more accurate and reliable than those of the reports of some previous years, which were necessarily based upon the U. S. Census of 1880.

A more or less accurate system of registration has now been established in nearly every civilized nation. Without doubt great progress has been made in collecting these statistics, but very much yet remains to be done before omissions and inaccuracies shall entirely disappear. Under the present registration law, as practiced in Michigan, about one-third of the year has passed before an attempt is made to collect the data of the previous year. As might be expected, many births and deaths are omitted in the enumeration. This is no longer a matter of conjecture, but a fact well known to all who are familiar with the subject. In order to secure more accurate and valuable returns of births and deaths, the facts in regard to them

should be placed upon record at the time they occur, before they are forgotten or the parties move away, as is often the case. It should be the earnest effort of all concerned to make our records as complete and valuable as possible, not only as a matter of State pride, but also because essential aid is thereby given to sanitary science and the great subjects with which it has to deal. It is earnestly hoped that the Legislature of 1887 will so amend the law that our statistics will at least be placed upon an equal footing with those of Massachusetts and some other States.

Statistical reports of this kind require a great amount of work in their compilation, and for this reason cannot be made ready for publication as soon as ordinary public documents. The present report appears in print, however, within a year from the time the returns were received at this office.

Respectfully submitted,

Secretary of State.

#### RTHS, MARRIAGES, AND DEATHS,

#### IN MICHIGAN.

#### DURING THE YEAR 1884.

statistics of Michigan for the year 1884 are contained in the accompanying exhibits. This is the Eighteenth Annual Report on this subject, and as based upon returns received by the Secretary of State from the clerks of counties.

gives a summary statement of the returns for 1884, from which it appears pirths, 15,002 marriages, and 18,056 deaths were recorded during the year, e of 73,466, or 669 less than during the year 1883.

ge annual number of births returned for the ten years 1874-1883 was 84,798, ss by 5,615 than was reported for 1884. The average annual number of sturned for the same period of years was 13,950, and the average number of 3. In both marriages and deaths it is seen that the average number is much sumber returned for 1884. As compared with 1883, we find that the numical returned for 1884 was less by 401, the number of marriages less by 1,418, aber of deaths greater by 1,150.

al increase of population, or excess of births over deaths, was 22,852, or an the natural increase in 1883, although 2,142 more than the average for s 1874-1883.

..—Births, Marriages, and Deaths Returned as having occurred in Michigan ch of the Years 1881 to 1884, inclusive, including those in unknown Month, ed, and as Corrected for Omissions in the Enumeration.

	1881.	1882.	1883.	1884.	Average, 10 Years, 1874–1883.
vges *	15,894	16,796	16,979	15,002	13,950
<u> </u>	84,749	37,026	40,809	40,408	84,798
	19,238	16,425	16,906	18,056	14,588
over deaths	15,511	20,601	23,903	22,352	20,210
	49,800	49,813	56,215	55,156	50,652
	27,387	27,306	23,640	25,133	21,814
ths	22,413	22,507	32,575	30,023	28,838

ms up to Nov. 11, 1885.

#### POPULATION.

We have at hand the present year the results of the census of June 1, 1884, taken under the provisions of the comprehensive census law of 1883. It has been compiled with great care, and its results are correspondingly accurate.

The population of Michigan June 1, 1884, was 1,853,658, and the population in June, 1880, was 1,636,937. This shows a gain of 216,721, and represents an average annual rate of increase of 3.156 per cent. between the census years According to this rate of increase the population of the State for each of the years 1880–1884 was as follows:

Years.	Population.
1880	1,696,997
1881	1,088,500
1882	1,741,891
1883	1,796,865
1884	1,853,658

According to the census of 1884, there were 974,424 males and 879,028 females in Michigan, or an excess of 95,396 males in the population. In every one thousand of the population there were 526 males and 474 females, or 110.85 males to 100 females.

The census also shows that the native-born inhabitants, which includes all born in the United States, numbered 1,357,639, or nearly three-fourths of the whole population, while 486,968, or more than one-fourth, were born in foreign countries.

The following shows the age-distribution of the population in periods of five years:

Ages.	Number.	Ages.	Number.
Under 5	225,978	45 to 50.	81,00
5 to 10	217,627	50 to 55	72,79
10 to 15	196,224	55 to 60	51,73
15 to 20	183,643	60 to 65	43,90
20 to 25	186,451	65 to 70	29,98
25 to 30	166,943	70 to 75	19,66
80 to 85	136,173	75 to 80	11,05
35 to 40	119,442	80 and over	7,60
40 to 45.	102,278	Ages not stated	1,65

The nativity of the population at different periods of age may be seen in the following:

		30 to 20.	20 and Over.
Native-born	-		636,727
Foreign-born			384,088
The State			1,022,515

Exhibit B is a condensed statement of many important relations which exist between births, marriages, deaths, and inhabitants of the State. The natural daily increase of population in 1894, according to the returns of births and deaths, is less than in 1883 but greater than in the previous years. In the statements for the years 1880-1883, the population in 1880 was used as the basis of calculations, while for the year 1884 the population for that year was used.

Exhibit B also shows that, in 1884, one child was born to every 45 persons of the population, that one marriage was solemnized to every 123 persons, and that one death occurred to every 102 persons.

EXHIBIT B.-Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1880-1884, inclusive.

	1880.=	1881.*	1882.*	1883.*	1884.
Inhabitants represented by returns of marriages to one marriage.	. 100.82	102.99	97.40	96.41	123.56
marriage	57.59	54.25	51.34	50.79	64.95
In population, represented by marriages, females to one marriage.	51.73	4º.73	46.12	45.62	58.5 <b>9</b>
Inhabitants represented by births to each child returned	46.07	46.90	44.11	40.02	45.78
Inhabitants, males to each male child returned	46.61	47.83	44.85	40.57	46.49
Inhabitants, females to each female child returned	45.65	46.08	43.41	89.58	45.20
Inhabitants represented by deaths to one death	100.86	84.31	€9.84	96.59	102.40
Inhabitants, males to one death of male	98.86	83.18	98.68	94.48	101.32
Inhabitants, females to one death of female	103.84	86.23	100.85	99.78	104.61
Deaths, males to 100 females	116.67	115.19	113.69	117.46	114.86
Births, males to 100 females	108.79	107.18	107.83	108.52	107.70
Total population of State, males to 100 females	111.83	111.83	111.33	111.33	110.85
Births to one death	2.19	1.81	2,25	2.41	2.24
Births, males to one death of male	2.18	1.75	2.20	2.33	2.18
Births, females to one death of female	2,28	1.88	2.82	2.52	2.32
Children born of which the sex was unknown or not stated	62.00	61.00	60.00	81.00	86.00
Decedents of which the sex was unknown or not stated	47.00	65.00	48:00	57.00	82.00
Natural daily increase of population as per births and deaths returned	52.52	42.49	56.44	66.00	61.00
Natural daily increase of population where returns of births and deaths are corrected for omissions in the enumeration.	<b>66.63</b>	61.41	61.66	89.00	82.00

In computing statements for this column, the population of 1890 was used.
 In computing statements for this column, the population of 1884 was used.
 Marriages corrected for additional returns up to Nov. 11, 1885.

Exhibit D affords an opportunity of making some interesting comparisons concerning the average number of births, marriages, and deaths for certain specified periods of time during the year 1884. On an average, according to the returns, 61 more births than deaths occurred during each day of the year 1884.

From this exhibit it appears that the average number of marriages per day, for 1884, was 41, the average number of births per day 110, and the average number of deaths per day 49.

EXHIBIT D.—The Number of Marriages, Births, Deaths, and Excess of Births over Deaths in the State of Michigan During the Year 1884, and the Average Number and Excess during Specified Periods of Time within the Year as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.

	Periods of Time,—1884.	Marriages, 1884.	Births, 1884.	Deaths, 1884.	Excess of Births over Deaths.
	Year 1884	15,002	40,408	18,056	22,332
큣	Quarter	8,751	10,102	4,514	5,588
As Returned.	Month	1,250	8,367	1,505	1,862
Ret	Week	289	777	847	430
	Day	41	110	49	61
2	Year 1884		55,156	25,188	80,023
ed et	Quarter		13,789	6,283	7,508
Da J	Month		4,596	2,094	2,502
Births and Deaths as Corrected.	Week		1,061	483	578
HE .	Day		151	69	82

Unknown month included.

In Exhibit E, the line representing the monthly averages of excess of births over deaths for the ten years 1875–1884, shows that the largest excess was in the month of December, and the least in February. This would indicate that December contributes most largely to the natural increase of population, but it should be remembered that a larger proportion of the births and deaths are returned in the later months of the year, as has been often explained in these Reports.

b Corrected as if enumerated in months of occurrence.

EXHIBIT E.—By Mouths, the Births, Deaths, and Excess of Births over Deaths, according to the Returns, in Michigan, during each of the Community of the Years 1879–1884, inclusive.

Births.			-											
Births		Total.	Jen.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Now.	Dec.
167v		34,00%	2,429	2,331	2,758	2,706	2,842	2,626	8,018	3,198	3,149	80%	2,766	8,283
		14,386	8	88	1,114	1,174	1,063	23	1,183	1,537	1,408	1,286	1,368	1,521
Excess (	Excess of births	19,726	1,528	1,339	1,644	1,532.	1,759	1,724	1,835	1,661	1,746	1,750	1,498	1,712
Births		35,287	2,355	2,513	2,850	2,824	88,	2,772	3,011	3,285	8,278	3,173	3,068	8,278
1880		16,050	98	1,000	1,149	1,280	1,166	1,086	1,627	1,780	1,676	1,471	1,486	1,617
Excess (	Excess of births.	19,228	1,496	1,511	1,701	1,536	1,714	1,736	1,484	1,506	1,602	1,702	1,582	1,661
Births		94,719	2,300	2,432	2,835	2,805	2,887	2,712	3,027	8,318	3,204	8,078	2,854	8,179
1861		19,173	1,085	1,078	1,315	1,427	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,748
Excess	Excess of births	15,547	1,828	1,854	1,520	1,378	1,418	1,436	1,328	1,067	88	1,137	1,237	1,431
Births.	Births	38,985	2,486	2,586	8,004	3,069	3,081	2,738	8,100	3,521	8,444	8,379	3,215	8,477
1962		16,347	8	1,171	1,872	1,311	1,480	1,284	1,284	1,458	1,545	1,498	1,421	1,570
Excess	Excess of births	20,638	1,508	1,366	1,632	1,748	1,561	1,400	1,816	2,068	1,899	1,881	1,794	1,907
Births		40,767	2,654	2,784	8,812	3,455	3,667	3,388	8,576	3,765	8,664	3,664	3,358	8,555
1883		16,857	1,086	1,134	1,874	1,500	1,430	1,254	1,430	1,651	1,613	1,401	1,397	1,598
Excess (	Excess of births	23,910	1,588	1,600	1,988	1,966	2,287	2,079	2,137	2,114	2,081	2,263	1,961	1,967
Births.	Births	40,359	2,748	2,878	8,498	3,430	3,480	3,407	3,488	3,673	3,559	3,445	3,215	3,544
1884		18,000	1,067	1,181	1,421	1,382	1,456	1,286	1,520	1,917	1,877	1,752	1,526	1,615
Excess (	Excess of births.	22,350	1,661	1,697	2,077	2,048	2,024	2,141	1,962	1,756	1,682	1,668	1,689	1,929
Monthly averages of	Monthly averages of excess for 1875 to 1884, inclusive	20,582	1,498	1,467	1,728	1,724	1,789	1,790	1,801	1,726	1,708	1,794	1,716	1,848

· Unknown month excluded.

BIT F.—Showing by Sex the Population in 1884, the Number of Marriages, Births, and Deaths, and the Excess of Births over

		3	eaths,	137 TT 112	Deaths, in divingue During the vear 100%, According to the Keturus	n Gulla	ne red	11 1004	r, Acco	Juna	o twe	return	ı.				
	ă I	Population, 1884	n, 1884.				Birth	Births, 1884.			Deaths, 1884	, 1884		Excess	Excess of Births over Deaths.	s over D	eaths.
State and Counties.			Sex.		Marriages			Sex.				Sex.				Sex.	
	Total.	Males.	Fe- males.	Cn- known.	į	Total.	Males.	Fe- males.	Un- known.	Total.	Males.	Pe- males.	Un- known.	Total.	Males.	Pe. males.	Un- known.
State	1,853,658	974,624	827)(1.58	ş	15,002	40,408	30,908	19,414	88	18,066	689,0	8,385	88	85 85,	11,319	11,020	•
Alcona.	83	2,438	1,600		19	3	ដ	5		93	•	8		8	23	2	
Allegan	38,666	20,0%	18,614		331	78	88	E		퓛	187	155		왏	8	8	
Alpena	12,683	6,990	5,663		8	8	81	8		83	28	88		#	22.1	23	
Antrim	8,761	4,736	4,025		t:	뫮	z	28		19	88	ន		8	\$	88	
Arenac	4,027	2,319	1,708		ଞ	92	8	41		8	2	15		8	83	28	
Baraga	3,039	1,819	1. 8		11	5	83	88		8	2	=		\$	22	2	
Barry	24,102	12,507	11,505	:	185	38	EI	28		158	8	8		<b>3</b> 5	\$6	5	
Вау	51,221	28,215	23,006		343	1,448	ş	716		38	88	8		<b>9</b>	含	<b>1</b>	
Benzie	4,389	2,349	2,040		83	8	3	25	i	8	15	22		29	8	53	
Berrien	37,778	19,235	18,551		238	8	310	<b>8</b>	-	88	152	134	20	88	158	161	-
Branch	27,661	14,043	13,619		217	\$	188	013	<b>63</b>	윓	115	116	63	72	F	88	
Calhoun	41,585	21,207	20,285	60	**	758	<b>15</b>	28	<b>ਛ</b>	3	210	ੜੇ	8	314	191	8	7
Cass	202,12	10,886	10,316	:	82	367	181	38	-	181	8	88	-	25	\$	28	
Charlevoix	9,275	2,030	4,245		57	173	8	\$		88	\$	\$	-	\$5	\$	88	
Cheboygan	976'6	5,508	4,443	-	7.4	**	3	គ	i	2	3	88		282	91	8	
Сыррета	8,422	4,746	8,676		\$	88	4	8	i	8	23	83		8	କ୍ଷ	92	i
Clare	6,540	3,251	2,398		9	8	\$	\$	10	\$	8	13	10	8	18	23	
Clinton	27,136	14,034	13.101		881	68	252	***	-	213	081	8.	_	£2	138	17	-

		3	1,006	-	61	88	18	S		-	60	<del>-</del>	-	8	51	16	
	7		4,116		8	हि	117	झ		8	3	3		144	8	. K	
		16,510	15,502		237	576	318	<b>8</b>	-	88	¥.	143	_	288	169	119	
	7	8	8,840		d	13	88	æ		8	3	18		\$8	88	81	
	E 113	19,782	18,994		282	615	ĸ	ž		28	뫮	28		318	150	150	
	1,580	88	9		23	83	13	92		<b>8</b> 0	G.S	•		22	n	2	
	12,002	8, 88 88 88	5,570		2	ĸ	116	108	_	88	3	9	-	130	8	8	
	25,040	13,204	11,845	•	157	8	23	<b>8</b>		200	101	8		88	171	35	
	81,686	116,911	15,775		321	<b>Ş</b>	202	30	-	301	163	153	づ	102	\$	28	
Boughton	28,146	14,168	11,978		237	ž	88	897		75	3	113		90,	345	38	
Haron	24,681	12,834	11,586	63	821	792	200	300	91	S	뙲	121	2	<b>7</b> 83	230	77.	
Ingham	84,939	17,917	17,023		384	979	341	<del>7</del> 8	-	88	5	83		83	168	154	1
Ionia	32,550	17,057	15,508		300	83	82	8		8	8	81		200	153	101	
Iosco	10,602	0,060	4,542		88	218	23	111		92	27	83		167	6	88	
Isabella	16,011	8,307	7,414	-	110	<b>1</b> 0 <b>‡</b>	808	28		28	2	83		8	138	851	
Jackson	45,32	23,385	21,847		980	Ž.	8	ž		355	183	22		63	217	8]	
Kalamazoo	85,281	17,875	17,406	- '	883	3	88	8		88	181	7		180	80	6	
Kalkaska	4,403	2,470	820,		88	8	88	53		**	12	33		55	12	23	
Kent	84,000	13,467	41,133		題	1,890	28	976		8	35	8		1,937	200	99	
Кеweenaw	4,067	2,551	2,116		12	8	120	8	-	\$	83	12		176	16	<b>ಪ</b>	-
Lake	7,530	4,528	3,011	-	33	8	3	25		*8	19	91		8	8	:2	
Lapeer	30,057	15,508	14,489		ន្ត	88	814	88	-	<b>38</b> 3	83	83	-	341	381	32	
Leelanaw	7,128	3,842	3,286		ន	8	101	16		٤	3	33		113	28	z	:
Lenawee	40,584	24,916	24,668		197	8	833	815	-	378	178	8	_	88	175	115	
Livingston	21,568	11,354	10,314	;-	138	8	198	148		281	15	21		171	8	28	
Mackinac	5,171	8,948	1,23		83	105	22	\$	63	12	8	8	63	28	83	88	
Macomb	31,293	15,978	15,315		8	8	8	95		25	176	191		357	<b>78</b> 1	12	
															-		

# EXHIBIT F.—CONTINUED.

Sex.         Marriages         Fex.         Total.         Fex.         Total.         Fex.         Total.         Alales, males, males, males, males, males, males, males, males, males, males, males, males, males, males, more, males, ma		P	Population, 1884.	n, 1884.				Births, 1884.	8, 1884.			Deaths, 1884.	8, 1884.		Excess	Excess of Births over Deaths.*	s over	Deaths
19,875   10,870   8,906   201   1712   281   281   281   170   104   772   282   282   283   283   17,890   13,817   14,891   17,890   13,817   14,891   1	Counties.			Sex.		Marriages 1884		5	Sex.		1		Sex.				Sex.	
19,875   10,870   8,806   136   136   201   122   281   281   137   170   194   772   138   13,397   13,599   13,817   13,599   13,817   13,599   13,817   13,599   13,817   13,599   13,817   13,599   13,817   13,918   13,718   13,918   13,718   13,918   13,718   13,918   13,718   13,918   13,718   13,918   13,718   13,918		Total.	Males.	Fe- males.	Un- known.		Total.	Males.	Pe- males.	Un- known.	Total.	Males.	Fe- males.	Un- known.	Total,	Males.	Pe- males.	Un- known.
1,186   547   446   195   3   21   12   9   77   370   230   196	anistee	19,875	10,879	8,006		201	712	381	331	-	176	104	52		536	277	820	
17,520         13,817         100         1,074         574         500         379         220         150           11,282         6,899         118         301         157         144         101         638         48           11,283         9,314         177         166         688         324         774         106         101         68         48           11,283         9,314         170         375         198         177         100         30         50	aniton	1,198	247	456	195	60	21	12	8		2+	00	4		14	6	10	-
T,232         5,690         118         301         157         144         101         56         48           11,488         7,632         156         638         324         714         82         90         101         68         89         89         101         68         89         101         68         89         101         68         89         101         68         89         101         68         89         101         88         11         89         11         89         11         101         68         89         11         89         11         101         88         11         89         11         11         11         101         89         11         89         11         11         11         101         89         11         89         11         11         11         101         89         11	ette	31,397	17,580	13,817		169	1,074	574	200		379	220	159		682	364	841	-
11,888         9,814         177         375         198         177         145         80         50           4,728         4,048         77         186         638         634         714         100         101         68           2,086         1,586         15         120         10         70         43         21         28           1,148         1,686         1,18         66         130         114         82         00         97         32         22         32           1,11         1,16         1,16         1,10         10         11         12         22         11         22         11         12         22         11         22         11         12         22         22         30         11 <t< td=""><td>-</td><td>18,221</td><td>7,232</td><td>5,989</td><td></td><td>118</td><td>301</td><td>157</td><td>144</td><td>-</td><td>101</td><td>52</td><td>8\$</td><td></td><td>300</td><td>104</td><td>88</td><td>-</td></t<>	-	18,221	7,232	5,989		118	301	157	144	-	101	52	8\$		300	104	88	-
11,488         7,682         155         688         324         514         100         101         68           4,728         4,046         70         186         114         82         70         48         21         32           1,736         1,350         15         120         30         70         48         21         32           11,136         1,350         1         20         70         48         21         32           18,774         10,581         1         20         10         82         11         2         1         1           30,682         17,083         6,100         37         20         10         32         37         17         13           30,683         10,084         377         136         13         38         11         1         38         11         1           30,683         1,004         377         284         296         2         36         17         17         18           30,684         1,506         20         10         18         24         20         18         20         17           30,101         1,506	-	20,597	11,283	9,314	-	179	875	198	111	-	145	98	99		830	112	118	
4,728         4,048         77         196         114         82         90         87         32           2,036         1,350         15         120         50         70         44         32         32         32           11,186         1,456         1         22         610         325         326         307         177         130           18,774         16,681         1         22         10         8         11         2,         1         1         32         11           40,482         17,029         35         10         8         11         2,         1         1         1         1           40,483         17,029         37         126         128         111         2,         1         1         1           30,684         8,312         156         20         128         111         32         1         1         1           2,014         1,536         1,536         10         128         2         151         1         2         1           3,020         1,536         1,536         2         2         1         2         1         1		19,120	11,488	7,632		155	889	324	314	-	160	101	88	*********	469	853	246	-
2,(056         1,550         15         120         50         70         43         21         22           11,736         10,107         342         643         329         304         300         162         138           40         351         1         286         610         325         386         17         130           40,482         351         4         19         8         11         27         12         13           30,621         15,026         3         1,002         577         554         1         387         307         170         1           10,026         3         1,002         577         284         286         2         36         10         1		8,778	4,728	4,048		7.0	186	114	88		69	37	88		127	11	8	
18,774         16,681         342         663         329         304         304         138         138           44         351         4         19         8         11         2,4         130         130           30,622         17,629         3         366         1,002         557         554         1         38         17         130           30,622         17,629         3         366         1,002         557         284         286         2         36         170         17         1           30,621         1,536         10         37         24         19         26         2         150         17         1           2,041         1,536         1,536         25         43         19         23         15         7         8           2,041         1,536         1,536         13         34         19         15         7         8           3,138         3,43         16         13         36         15         17         18         17           4,138         1,536         13         34         13         14         7         7		3,386	2,086	1,350		15	120	92	70		43	22	81		E	82	48	
18,774         16,681         1         296         610         825         236          307         177         130           40         361         4         19         8         11         2,         1         1         1           30,622         17,029         3         596         1,002         537         554         1         387         307         179         1           30,621         30,270         30         572         284         286         28         36         180         1           3,041         1,506         30         110         306         166         135         2         161         7         8           3,041         1,506         30         43         24         19         36         15         7         8           3,041         1,506         30         16         36         23         1         38         16         12         1           4,048         1,507         31         348         177         17         8         1           7,583         6,408         13         34         17         14         7         7		88,353	17,186	16,167		342	633	320	304	********	300	162	138	***************************************	383	167	166	-
404         351         4         10         8         11         2,         1         1           30,522         17,029         3         306         1,002         537         554         1         387         307         170         1           10,084         8,312         157         20         1,524         1,537         20         20         20         20         20         20         20         20         20         20         20         20         20 <t< td=""><td>100</td><td>35,356</td><td>18,774</td><td>16,581</td><td>1</td><td>386</td><td>610</td><td>325</td><td>2882</td><td></td><td>307</td><td>177</td><td>130</td><td></td><td>308</td><td>148</td><td>156</td><td>-</td></t<>	100	35,356	18,774	16,581	1	386	610	325	2882		307	177	130		308	148	156	-
20,622         17,020         3         366         1,002         557         554         1         387         307         170         1           10,064         8,312         157         230         157         236         136         2         36         185         170         170         1           20,821         20,270         200         572         284         286         2         365         185         170         170           2,041         1,566         25         43         24         19         15         7         8           2,041         1,567         35         43         23         1         28         15         12           3,529         1,567         31         348         172         176         117         62         56           7,539         6,468         8         24         10         14         7         7           7,539         6,468         131         348         172         176         117         62         56           7,689         1,666         13         14         7         7         7		845	494	351	***************************************	4	19	00	п		25	1	1		17	1	10	
10,084         8,512         157         230         135         111         72         42         30           90,821         20,270         290         577         284         286         2         365         185         170           7,860         6,600         110         363         160         135         2         15         7         8           2,011         1,566         25         45         24         10         15         7         8           3,329         1,507         115         57         32         17         38         15         12         1           7,583         6,408         131         348         172         176         117         62         56           77         8         24         10         14         7         7         7           99         1         10         37         40         37         41         10         11		37,554	20,592	17,020	00	292	1,002	537	554	1	387	202	179	1	705	380	375	*****
90,821         20,821         20,821         284         286         2         365         180         170           7,850         6,600         110         363         160         135         2         151         70         72           2,041         1,506         25         43         24         19         16         7         8           3,220         1,507         15         57         33         23         1         28         16         12         1           7,589         6,408         131         348         172         170         117         62         55         1           7         8         24         10         14         7         7         7           99         10         14         7         14         10         14         7         7		18,996	10,084	8,312	***************************************	157	988	128	Ш	*********	72	- P	30		167	98	81	-
7,850         6,000         110         368         166         135         2         151         70         72           2,041         1,506         25         43         24         19         16         7         8           3,220         1,507         15         57         33         23         1         28         16         12           7,583         6,408         181         348         172         170         14         7         7           7         7         8         24         10         14         7         7           9000         37         40         37         40         37         10		41,100	20,821	20,279		290	573	284	286	0.5	355	185	170	**********	217	88	116	-
2,041     1,506     25     43     24     19     16     7     8       8,720     1,507     16     57     83     23     1     23     16     12     1       7,583     6,408     131     348     172     176     11     62     55     1       7     7     7     7     7     7     7     7       9,993     1,050     27     24     14     10     14     10		14,519	7,859	099'9		110	308	166	135	03	151	20	72	-	152	87	88	
6,468 131 848 172 176 117 62 55 12 1 5,66 131 848 172 176 117 62 55 12 1 5,66 131 848 172 176 117 62 55 12 1 1,055 131 67 60 27 24 14 10		18,037	2,041	1,598		88	48	25	10	*********	15	-	90		88	11	п	-
5,408 131 348 172 176 177 17 02 55 2 576 8 24 10 14 7 7 7 14 7 7 7 1055 24 14 10		4,550	8,329	1,507	***************************************	15	22	88	83	1	88	16	22	1	85	18	H	*****
1,000 31 07 40 37 10 14 10 14 10 10		16,001	7,583	891'9	-	131	348	172	176	********	117	33	28	april sign	231	110	121	-
1,000 31 07 00 27 24 14 10		1,574	7.08	576	*********	00	2	10	14	-	14	2-	2-	*******	10	00	2-	*****
		WW.	876	1,083	-	31	67	99	55	-	24	11	10	*******	2	8	47	-

Ottawa.	36,236	18,970	17,286		88	116	\$	\$	-	910	E.	187	25	<u>1</u>	¥	3	*
Presque Isle	4,064	2,168	1,896		88	150	E	15		<b>3</b> 5	Ø	=	i	116	茎	8	:
Roecommon	2,588	1,813	178	-	9	8	8	91		2	<b>∞</b>	03		88	27	*	:
Saginaw	74,795	41,588	33,207		574	1,761	88	33	•	<b>\$</b>	9	386	6	198	8	\$	۴
Sanilac	28,583	15,578	14,005		153	75	22	<b>38</b>	1	88	158	88	-	8	808	88	
Schoolcraft	8,846	2,568	1,278		21	×	14	=	-	2	-	60		15	i-	20	
Shlawassee	28,078	14,731	13,847		176	#	218	*	-	8	118	108		218	91	111	
St. Clair	46,783	24,058	22,73	63	ž	1,04	99	482	61	8	£	808	က	92	62	88	7
St. Joseph	175,82	13,286	12,962		88	8	245	314	က	8	158	147	-	156	87	29	31
Tuscola	30,726	16,128	14,600		88	88	381	88	61	88	88	184		418	818	661	1
Van Buren	30,341	15,377	14,964		983	\$	214	210		8	106	100		818	601	911	
Washtenaw	41,694	21,087	20,027		88	576	208	8	-	38	173	188		215	134	8	•
Wayne	188,966	287,18	717,18		1,494	8,222	3,327	2,808	63	367	1,823	1,529	10	2,865	1,504	1,364	۳
Wexford	10,518	5,732	4,786		118	8	111	138		8	23	ŧ		156	æ	16	
				•		1							-				

• The figures with the minus sign placed before them indicate she excess of deaths over births.

#### BIRTHS, 1884.

The number of births reported for the year 1884 was 40,408, a decrease of 401 from the number returned for 1883. With the exception of 1883, however, the number of births returned for 1884 is considerably larger than for any previous year. The year 1883 seems to have been an exceptional one in the large number of births returned.

The population of Michigan, according to the State Census of 1884, was 1,853,658. When 3,766 is subtracted, being the number of inhabitants from whom no returns of births were received, we have 1,849,892 as the number of inhabitants represented by the returns of births for 1884. According to this estimate one child was born to every 45.78 persons in the State, and 21.84 births occurred to every thousand of the people. The birth-rate for the year 1884 is somewhat less than for the previous year.

The following tabular exhibit shows, according to our system of correction for omissions in the enumeration because of late records, what per cent of the births were returned, and also the per cent by which the number of births returned must be increased to equal the number which probably occurred. This is given for the ten years 1875–1884, and the average for these years. The year 1884, as may be seen, was better than an average one as regards the per cent of births returned.

Years.	Per Cent of Births Returned,	Per Cent of Births Added as Correction for Omissions.
1875.	68.61	45.78
1876	75.73	32,04
1877	66.47	50.44
1878	67.41	48.34
1879	68.05	46.91
1880	69.78	43.42
1881	69.78	43.35
1882	74.31	84.57
1883	72.57	87.79
1884	78.24	36.54
Average for 10 years.	70.59	41.98

Increasing the number of births returned for 1884 by 36.54 per cent we obtain 55,156, which is probably a near approximation to the number of births which actually occurred. This increases the birth-rate by about eight in every thousand of the inhabitants, as may be seen in the following tabular exhibit:

	Inhabitants in 1884	Births	Births Corrected	Per Cent o Inhab	f Births to
Sex.	Represented by Births in 1884.	as Returned.	for Omissions in Enumer- ating.	Births as Returned.	Births Corrected for Omissions,
Total	1,849,892	40,408	55,156	2.18	2,98

The average number of births for certain periods of time during the year 1884, including those in unknown month, as returned and as corrected for omissions in the enumeration, are as follows:

Periods of Time.	Births as Returned.	Corrected for Omissions.	Corrected with 41.92 Per Cent.
Per quarter	10,102	13,789	14,837
Per month	3,367	4,596	4,779
Per week	777	1,061	1,103
Per day	110	151	157

With the exception of the year 1882, the largest proportion of births has been returned for the quarter of the year ending with September. Table 1 shows the number and proportion of births returned for each quarter of the years 1881–1884, and the average for ten years 1874–1883. For the period of ten years, about 54 per cent of the births occurred in the last half of the year and 46 per cent in the first half. The quarters stand in the following order: 27.34 per cent in the third quarter, 26.73 per cent in the fourth quarter, 24.36 per cent in the second quarter, and 21.43 per cent in the first quarter.

TABLE 1.—Births by Quarters of the Year for the Years 1881-1884, and the Average for Ten Years 1874-1883.

	Totals and	18	81.	18	82.	18	83.	18	84.	Av. for 1 1874-	
	nths with which Quarters end.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total,
То	tals	34,749	100.00	37,028	100.00	40,809	100.00	40,408	100.00	84,798	100.00
	March	7,660	22.04	8,026	21.68	8,700	21.82	9,124	22,58	7,455	21.43
Ę	June	8,404	24,18	8,823	23.83	10,455	25.62	10,817	25.53	8,477	24.86
As Returned.	September	9,544	27.47	10,065	27.18	11,035	27.04	10,714	26.52	9,512	27.34
æ	December	9,111	26.22	10,071	27.20	10,577	25.92	10,204	25.25	9,300	26.78
	Unknown	30	.09	41	.11	42	.10	49	.12	49	.14
A	verage	8,687	25.00	9,257	25,00	10,202	25.00	10,102	25.00	8,698	25.00
To	tals	49,800	100.00	49,813	100.00	56,215	100.00	55,156	100.00	50,652	100.00
	March	12,502	25.10	12,097	24.28	13,482	23.98	13,932	25.26	12,419	24,52
ons.	June	12,675	25.45	12,430	24.95	15,081	26.83	14,692	26.64	13,087	25.74
pies.	September	13,172	26.45	13,128	26.36	14,689	26.13	14,118	25.59	18,348	26.35
As Corrected for Omissions.	December	11,421	22.93	12,117	24.33	12,921	22,99	12,365	22.43	11,799	23.29
72	Unknown	30	.08	41	.08	42	.07	49	.09	49	.10
A	verage	12,450	25.00	12,453	25.00	14,054	25.00	18,789	25.00	12,663	25.00

<sup>•</sup> The number in unknown quarter of year included.

Table 2 shows the number and per cent of births in each month of the years 1882-1884, and the average for ten years 1874-1883. The months are in order, those having the greatest number of births being placed first in the columns. The largest number of births took place in August, not only for each year in the table but also for the average for ten years. The least number of births are returned for the months of January and February for each year and the average. This would indicate that the smallest number of children are born during these two months, but, as has been explained in previous Reports, a larger proportion are undoubtedly returned for the later than for the earlier months of the year.

2.—Births during the Years 1882–1884, inclusive, according to the Returns, ling the Number and Per Cent of Total by Months, arranged in Order by r, Months having the greatest number first.

1	1882.			1883.			1884.			re for 10 874–1883	
	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total,
. 8	37,026	100.00	Total	40,809	100.00	Total	40,408	100.00	Total	34,793	100.00
- -	3,521	9.51	Aug	3,765	9.23	Aug	8,673	9.09	Aug	3,291	9.46
-	3,477	9.39	Sept	3,694	9.05	Sept	3,559	8.81	Dec	3,227	9.28
-	3,444	9.30	Мау	3,667	8,98	Dec	3,544	8.77	Sept	3,224	9.27
-	3,379	9.13	Oct	3,664	8.98	Mar	3,498	8.66	Oct	3,119	8.96
-	3,215	8.68	July	3,576	8.76	July	3,482	8.62	July	2,997	8.61
-	3,100	8.37	Dec	<b>48</b> ,555	8.71	Мау	3,480	8,61	Nov	2,954	8.49
	3,059	8.26	April	3,455	8.47	Oct	3,445	8.53	Мау	2,897	8.33
-	3,031	8.19	Nov	3,358	8.23	April	3,430	8.49	April	2,834	8.15
-	3,004	8.11	June	3,833	8.17	June	3,407	8.43	Mar	2,791	8.02
-	2,733	7.38	Mar	3,312	8.12	Nov	3,215	7.96	June	2,746	7.80
-	2,536	6.85	Feb	2,734	6.70	Feb	2,878	7.12	Feb	2,363	6.79
-	2,486	6.72	Jan	2,654	6.50	Jan	2,748	6.80	Jan	2,301	6.61
-	41	.11	Unk	42	.10	Unk	49	.12	Unk	49	.14
•	3,086	8.33	Ava	3,401	8.33	Av	3,367	8.33	Av*	2,899	8.35

ng births in unknown month.

the births are corrected so as to include the probable omissions in the enumeris done in Table 3, the order of the months is seen to be different, although the August heads the list in the average for ten years. Except for the year 1882, r has the least number of births for each year and the average.



TABLE 3.—Births during the Years 1882-1884, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent of Total, by Months arranged in Order by Number, Months having the greatest number first.

		1882.			1883.			1884.			é for 10 1 874-1883.	
r.	Months.	Num- ber,	Per Cent of Total.	Months.	Num- ber,	Per Cent of Total.	Months.	Num- ber,	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
Order.	Total	49,813	100.00	Total	56,215	100.00	Total	55,156	100,00	Total	50,652	100.00
1	Aug	4,597	9.25	May	5,288	9.41	Mar	5,228	9.48	Aug	4,624	9.13
2	Mar	4,432	8.90	April	5,109	9,09	April	5,006	9.07	Mar	4,538	8.90
3	April	4,410	8,85	Mar	5,020	8,93	May	4,955	8.98	April	4,481	8.8
4	Sept	4,379	8.79	Aug	5,013	8.92	Aug	4,841	8.78	May	4,452	8.75
5	May	4,266	8,56	July	4,893	8.70	June	4,781	8.58	Sept.	4,383	8,03
0	Oct	4,182	8.40	Sept	4,783	8.51	July	4,712	8,54	July	4,341	8,57
7	July	-4,152	8.33	June	4,684	8.33	Sept	4,565	8,28	June	4,104	8.10
8	Dec	4,066	8.16	Oct	4,609	8,20	Feb	4,403	7.98	Oct	4,096	8,08
9	Nov	3,869	7.77	Feb	4,244	7.55	Jan	4,361	7.80	Dec	8,952	7.80
10	Jan	3,837	7.70	Jan	4,218	7.50	Oct	4,297	7.79	Feb	3,942	7.78
11	Feb	3,828	7.68	Dec	4,211	7.49	Dec	4,171	7.56	Jan	3,939	7.78
12	June	3,754	7.53	Nov	4,101	7.20	Nov	3,897	7.07	Nov	3,751	7,41
	Unk	41	.08	Unk	42	.08	Unk	49	.09	Unk	49	.10
	Av a	4,151	8.33	Ava	4,685	8.33	Av	4,596	8.33	Av	4,991	8,33

<sup>.</sup> Including births in unknown month.

#### PROPORTION OF THE SEXES.

In Table 4 will be found the number of births returned from each county in the State during the year 1884, the number in each month of the year, and the number of each sex respectively. As usual, the births of males largely exceed the births of females, there being 108 males to each 100 females, or 51.85 males and 48.15 females in each 100 children. During the period of fifteen years from 1870 to 1884, the average excess of male births was 108 males to 100 females, which was the same as for the year 1884.

In 1884, the number of births in which there was a failure to return the sex was 80, five more than were returned for 1883. Of this number, 31 were reported from the county of Calhoun alone.

E 4.—Exhibiting, by Counties and by Sex, the Number of Children Returned as ing been born in Michigan during the Year, and in each Month of the Year ending . 31, 1884. (Still-births included.)

								Mon	ths, 1	.884.					
tate and unties.	Sex.	Year, 1881.	January.	February.	March.	April.	May.	June.	July.	August,	September.	October.	November.	December.	Unknown.
	(Total	40,408	2748	2878	3198	3130	3180	3407	3483	3673	3559	3445	3215	3544	49
	Males	20,908	1421	1490	1831	1795	1744	1777	1789	1918	1872	1783	1655	1810	18
•••••	Females	19,414	1322	1385	1660	1627	1724	1624	1681	1747	1676	1651	1556	1731	2
	Unknown	80	5	3	7	8	12	6	9	8	11	. 6	4	8	1
	∫ Total	48	1	2		7	3	4	2	7	1	3	6	8	
a	Males	21		2	2	4		2	1	2			3	5	
	Females	27	1		2	3	3	2	1	5	1	3	3	8	
	{Total	764	46	62	70	72	84	65	53	71	69	59	52	61	
ın	Males	393	18	35	38	43	45	27	21	36	39	29	27	35	
	Females	371	28	27	33	20	39	38	33	35	30	30	25	26	
	[ Total	436	36	39	53	40	46	53	30	43	38	21	12	25	
n	Males	228	18	20	29	20	25	25	20	26	18	10		17	
	Females	209	18	19	24	20	21	28	10	17	20	11	12	8	
	{Total	132	8	14	5	13	11	11	17	12	11	7	10	14	
n	. Males	74	4	8	3	6	7	6	13	5	6	5	6	5	
	Females	58	4	6	2	6	4	5	4	7	5	2	4	9	
	[Total	100	7	6	6.	10	15	11	8	11	5	6	5	10	
<b>c</b>	Males	53	4	4	2	6	5	6	4	6	4	2	3	7	
	Females	47	8	2	4	4	10	5	4	5	1	4	2	3	
	[Total	70	4	7	5	7	10	5	6	6	5	4	8	3	
B	Males	37	1	3	3	5	5	3	1	5	2	3	3	3	
	Females	33	3	4	2	2	5	2	5	1	3	1	5		
à.	[Total	342	28	14	26	33	29	26	27	23	35	29	37	35	
	. Males	177	16	8	, 9	16	18	13	15	15	16	18	16	17	
	Females	165	12	6	17	17	11	13	12	8	19	11	21	18	
	<u> </u>	1,448	118	116	145	120	118	100	128	116	129	113	106	139	
	<b></b>	732	59	54	70	59	63	52	59	57	70	55	58	70	
		716	59	62	69	61	55	48	69	59	50	58	48	69	

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

							- 19	Mont	hs, 1	884.		-		
Counties.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August,	September,	October,	November.	December, Unknown,
	Total	767	60	58	59	69	60	59	61	65	71	79	51	75
Hanna	Males	392	37	23	31	39	33	31	22	37	42	39	26	82
Huron	Females	365	23	35	28	29	25	26	38	27	28	39	24	43
100	Unknown	10				1	2	2	1	1	1	1	1	
	Total	676	49	53	49	55	67	57	51	66	55	64	54	56
Ingham	Males	341	21	25	20	31	38	31	22	36	33	33	25	26
ıngnam	Females	334	28	28	29	23	29	26	29	30	22	31	29	30
	Unknown	1				1								
	Total	488	27	41	35	36	50	47	31	56	43	47	30	45
Ionia	Males	252	11	19	18	20	26	20	18	29	24	28	17	22
	Females	236	16	22	17	16	24	27	13	27	19	19	13	23
	Total	243	14	17	12	27	16	15	30	18	26	12	28	28
Iosco	Males	126	5	10	7	12	10	9	13	10	13	9	12	16
-	Females	117	9	7	5	15	6	6	17	8	13	3	16	12
	Total	401	21	35	40	36	38	39	36	40	19	27	30	40
Isabella	Males	206	9	21	27	20	18	15	22	19	8	11	13	23
	Females	195	12	14	13	16	20	24	14	21	11	16	17	17
	Total	794	57	43	62	60	55	68	72	78	83	69	75.	71 1
Jackson	Males	400	31	23	34	34	36	33	35	34	36	37	30	36 1
	Females	394	26	20	28	26	19	35	37	44	47	32	45	35
	Total	524	39	42	44	39	41	48	47	56	35	36	52	45
Kalamazoo	Males	289	22	24	25	23	22	29	30	27	19	18	27	23
	Females	235	17	18	19	16	19	19	17	29	16	18	25	22
	Total	63	4	4	2	4	2	3	10	9	18	5	4	3
Kalkaska	Males	36	2	2	2	1	1	2	6	6	9	4		1
	Females	27	2	2		3	1	11	4	3	4	1	4	2
	[Total	1,890	128	134	174	153	146	139	156	166	176	177	173	170
Kent	Males	950	64	63	80	78	69	72	85	76	89	94	101	79
	Females	940	62	71	94	75	77	67	71	90	87	83	72	91
	Total	220	16	16	25	18	17	12	18	18	18	10	18	365
-	Males	120	11	8	9	9	8	1	10	8	1	7	13	23
Keweenaw	Females	99	5	8	16	Ú.	9.	5	7		1			10
	Unknown	1							1					L"I
	[Total	100	2	7	10	6	31							
Lake	Males	49		2	3									
	Females	51												

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mont	hs, 1	884.					
Counties.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown
	[Total	608	28	85	64	58	59	68	51	59	55	48	88	44	T.
Lapeer	Males	814	11	21	84	28	82	87	26	29	32	17	222	24	,
•	Females	288	17	14	80	25	27	81	25	29	28	81	16	20	
	Unknown	1	<b></b> -					<b></b>		1		<b></b>			<u> </u>
_	Total	192	9	19	21	17	16	16	14	16	21	17	11	15	<u>  </u>
Leelanaw	Males	101	8	9	12	13	8	5	7	9	14	6	5	10	Ì
	Females	91	6	10	9	4	8	11	7	7	7	11	6	5	
	∫Total	669	41	85	49	48	57	45	65	72	74	58	58	67	
_	Males	353	18	15	24	25	80	27	88	42	42	28	38	81	ļ. <u>.</u>
Lenawee	Females	315	23	20	25	28	27	18	81	30	82	80	20	36	ļ.,
	Unknown	1						 	1						_
	Total	309	22	10	30	19	29	29	23	322	30	38	29	28	_
Livingston	Males	166	12	5	19	12	16	16	12	16	15	16	18	14	
	Females	143	10	5	11	7	18	13	11	16	15	17	16	9	<u> </u>
	Total	105	5	5	10	18	10	9	7	4	10	10	8	18	١.
Security at	Males	57	2	8	5	8	4	4	8	2	5	6	2	8	١.
Mackinac	Females	46	3	2	5	5	6	5	3	2	5	4	1	5	
	Unknown	2		 	i 			! !	1			<b></b>	ļ	 	1
	Total	700	49	41	62	62	62	63	61	67	81	48	49	60	ļ.,
Macomb	Males	360	28	19	96	35	88	28	81	31	40	22	28	29	l.,
	Females	340	21	22	28	27	29	35	80	36	41	21	21	81	ļ.,
	Total	712	46	46	59	54	76	88	89	79	46	58	70	71	l.,
Manistee	Males	381	24	21	25	82	88	! · 19	42	42	28	322	35	48	l.,
	Females	331	22	25	84	22	38	19	27	87	18	26	35	28	
	Total	21	4		3	8	 	2	1	8	2	2		1	
Manitou	Males	12	2		2	2	ļ 	2		2	1			1	L.
as Miles	Females	9	2		1	1		 	1	1	1	2			l
1	[Total	1,074	87	74	105	82	104	98	88	85	80	93	88	95	
Marquette	Males	574	47	47	55	47	58	52	48	40	42	42	51	50	
	Females	500	40	27	50	35	46	46	40	45	38	51	87	45	İ.,
	[Total	801	16	20	15	27	. 19	23	85	81	22	29	26	38	l
Maron	Males	157	9	8	6	13	9	12	18	19	12	17	13	21	
1	Paralle	***	7	12	9	14	10	11	17	12	10	12	13	17	
		1	25	21	29	35	40	34	28	38	32	32	31	32	
			14	12	11	20	20	21	11	19	18	21	14	17	•
				1 -			1		!				1		1

TABLE 4.—Continued.—Births by Counties, by Months, and by Sex.

								Mon	ths, 1	884.				
Countles.	Sex.	Year, 1884.	January.	February.	March,	April.	May.	June.	July.	Angust.	September,	October,	November.	December. Unknown.
	Total	638	44	50	53	59	74	50	49	59	55	41	47	55 2
Menominee	Males	100	28	27	28	27	21	30	30	32	26	19	27	29
	Females	314	16	23	25	32	53	20	19	27	29	22	20	26 2
	Total	196	6	6	11	15	27	13	20	17	23	15	15	16 12
Midland	Males	114	5	3	6	9	13	8	11	12	14	10	6	12 5
-	Females	82	1	3	5	6	14	5	9	5	9	5	9	4 7
	Total	120	12	9	10	18	11	11	7	11	6	12	7	6
Missaukee	Males	50	5	2	5	8	3	4	3	4	4	6	3	3
	Females	70	7	7	5	10	8	7	4	7	2	6	4	3
	Total	633	54	47	51	53	53	45	40	62	63	64	52	49
Monroe	Males	329	26	21	37	25	25	26	15	32	32	35	30	25
	Females	304	28	26	14	28	28	19	25	30	31	29	22	24
	Total	610	26	35	51	61	69	76	60	51	54	39	46	42
Montealm	Males	325	15	16	24	29	34	44	38	24	28	26	23	24
	Females	285	11	19	27	32	35	32	22	27	28	13	23	18
	Total	19	****	3		2	2	2	1	1	4	2	1	2
Montmorency	Males	8		2		1			1	1	2			1
	Females	11		1		1	2	2		-	9	2		1
	Total	1,092	72	85	105	99	83	79	93	105	90	97	88	90 6
-	Males	587	34	42	51	53	36	40	44	51	45	51	45	45
Muskegon	Females	554	38	43	54	46.	47	39	49	54	45	46	43	45 5
	Unknown	1						-						1
	Total	239	7	16	11	21	20	29	29	24	25	21	18	18
Newaygo	Males	128	6	7	7	10	10	18	16	16	10	18	9	6
	Females	111	1	9	4	11	10	11	13	8	15	8	9	12
	Total	572	48	35	42	58	43	38	48	55	61	5.2		47 2
	Males	284	25	17	18	32	19	17	24	28	35	24	-	23
Oakland	Females	286	22	18	24	28	24	21	24	20	26	27	-	24 2
	Unknown	2	1	10						-		1		
-	Total	303	26	19	16	35	28	27	27	27	30	33	-	18.
-	Males	166	11	14	11	10	12	Lis	131	15	10	15		2 -
Oceana	Females	135	14	5	1		161	12	14	15	15			
	Unknown	2	1	1										
	Total	43	2											
Ogemaw	Males	24												
-														
4	Females	19												

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mont	hs, 1	884.					
anties.	Sex.	Year, 1884.	January.	Pebruary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Total	57	1		9	4	2	8	5	8	8	9	8	2	
	Males	33	1	2	7	3	1	7	1	3	8	4`	1	<b> </b>	ļ
gon	Females	23		1	2	, 1	1	1	4	5	<b> </b>	4	2	2	
	Unknown	1						i		ļ		1	ļ	<b>-</b>	
	Total	348	21	16	33	27	35	88	82	32	41	18	31	26	1
<b>.</b>	Males	172	8	9	12	13	20	20	18	13	21	10	12	14	:
	Females	176	13	7	21	14	15	13	14	19	20	8	19	12	
	[Total	24	2	2	1			1	8	2	4	8	8	8	
,	Males	10	1	1	1		¦		1	<b> </b>	1	1	8	1	
	Females	14	1	1	¦			. 1	2	2	8	2		2	
	Total	67	4	8	4	9	6	8	2	6	8	6	4	7	
	. Males	40	4	3	3	6	8	2	1	4	5	2	8	4	
	Females	27			1	3	8	6	1	2	3	4	1	8	
	Total	911	69	78	78	91	66	71	68	72	79	88	85	66	
	Males	465	40	41	47	47	81	88	38	40	322	47	89	80	
	Females	446	29	87	81	44	35	38	30	82	47	41	46	86	
	Total	150	_17	14	13	10	9	12	12	18	9	9	17	10	
e Isle	Males	77	9	5	7	4	5	7	6	11	6	8	11	8	
	Females	73	8	9	6	. 6	4	5	6	7	8	6	6	7	
	Total	- 36	1	3	2	5	4	2	4	5	8	8	3	1	
amon	Males	20		2	1	4	1	1	2	4	2	1	2		
	Females	16	1	1	1	1	3	1	2	1	1	2	1	1	
	Total	1,761	133	127	156	165	142	145	150	163	184	149	148	150	1
w	Males	926	63	74	82	85	69	82	82	83	77	71	75	82	1
	Females	829	69	53	73	79	78	63	67	80	56	78	68	67	1
	Unknown	6	1		1	1			1		1			1	
	Total	754	40	55	74	68	76	82	53	73	74	59	48	52	
	Males	362	20	22	48	29	30	40	26	36	36	28	222	25	
	Females	391	20	38	26	39	46	42	27	37	38	81	25	27	
	Unknown	1	****										1		
	Total,	25	weng.	1	8	6	1	2	2	1	2	2	5		
Tall	Males	14	ite.	•••••	2	4	1		2	1	2	····	1		
	Parentin	- 31		1	1	2	1					2	4		
				22	81	36	33	(	51	42	38	40	40	46	i
				14	17	16			26	19	l	19	18	17	
				8	14	20	17	21	25	23	16	20	222	29	
										<b> </b>		1			

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

							7	Mon	ths, 1	884.					
Counties.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August,	September,	October,	November.	December.	Unknown.
	Total	96	1	8	4	7	10	15	9	6	15	6	8	7	
Benzie	Males	45	i	3		4	4	7	4	4	7	3	3	6	_
	Females	51	1	5	4	3	6	8	5	2	8	3	5	1	
	Total	639	42	44	44	57	70	57	49	62	56	49	60	49	
	Males	310	20	21	22	28	35	24	20	31	27	27	30	25	١.
Berrien	Females	325	21	23	22	27	34	33	29	31	29	22	30	24	١
	Unknown	4	1			2	1								
	Total	404	24	28	20	31	36	27	36	36	36	45	39	46	
	Males	192	13	15	10	17	22	14	17	14	20	12	18	20	
Branch	Females	210	11	13	10	14	14	12	19	22	16	32	21	26	į.
	Unknown	2						1				1			
	Total	758	51	49	72	47	77	52	78	70	62	74	64	60	
	Males	361	27	25	28	22	32	28	40	31	31	37	30	30	١.
Calhoun	Females	366	24	22	38	24	40	22	35	35	26	37	32	20	
	Unknown	31		2	6	1	5	2	3	4	5		2	1	1.
	(Total	357	28	99	36	24	30	33	31	28	33	36	30	26	1
	Males	191	15	9	23	11	19	21	12	18	13	19	14	17	
Cass	Females	165	13	13	13	13	11	12	19	10	19	17	16	9	
	Unknown	1	1		10	10		-	1	10	1		10		1
	(Total	173	11	7	15	3	13	14	17	19	15	24	11	24	
Charlevolx	Males	89	5	2	9		4	9	6	7	11	16	9	11	
Charlevola	Females	84	6	5	6	3	9	5	11	12	4	8	2	13	10
	Total	264	13	22	222	18	20	30	30	25	14	18	25	27	
Chaharman	Males	143	7	10	10	13	10	16	14	17	9	8	14	15	
Cheboygan	Females	121	6	12	12	5	10	14	16	8	5	10	11	12	
	•	86	4	3	7	14	5	10	8	11	8	7	3	6	
Ohimomo	Total Males	47	2	2	2	11	3	7	6	4	2	4	1	1 4	
Chippewa	1		2		1	1	2	3		7	6	3	3	ŀ	
	Females	39	-	1	5	3	9		12	1				7	
	Total	94	5	1	5	7	, ,	11		8	12	11	5	5	1
Clare	Males	44	5		3	3	4	2	4	5	4	5	4	1 2	
	Females	45		1	2	4	. 3	9	7	3	6	6	1		
	Unknown	5		!	42		42		1	40			402	32	
	Total	490	34	41	44		1	57	35	40	50	28	42		
Clinton	Males	255	17	21	18	27	20	30	20	24	27	18	20	13	
	Females	234	17	20	26	17	22	27	15	16	23	10	22	19	
	Unknown	1		ļ		1									

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mont	ths, 1	884.					
Counties.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Total	38	2	2	5	7	1	5	3	5	2		6		
Crawford	Males	18	ļ	1	2	4	1	8	1	1	1		4	ļ	ļ
	Females	20	2	1	8	8	¦	2	2	4	1		2		<b> </b> -
	Total	237	18	14	14	19	21	21	20	28	18	18	28	25	
Delta	Males	117	8	6	6	6	10	17	11	10	6	10	11	16	ļ,
	Females	120	10	, 8	8	13	11	4	9	16	7	8	17	9	
	Total	576	87	46	47	28	36	67	65	60	47	59	39	45	
	Males	313	20	23	27	11	15	35	48	36	23	37	28	20	ļ.,
Eaton	Females	262	17	23	20	17	21	82	22	24	24	21	16	25	ļ
	Unknown	1			ļ							1	ļ	ļ	ļ
	Total	155	10	12	20	9	16	15	19	10	10	16	12	6	
Emmet	Males	82	7	8	10	5	8	8	18	6	4	11	5	2	ļ
	Females	78	3	9	10	4	8	7	6	4	6	5	7	4	ļ
	(Total	615	45	36	50	52	68	44	60	67	64	40	46	48	
Genesce	Males	821	21	16	33	29	34	18	85	38	36	20	22	19	
	Females	294	24	20	17	23	34	26	25	29	28	20	24	24	ļ
	Total	29	8	2	8	1	2	4	2	1	2	2	1	8	1
Gladwin	Males	13			l	1	1	2	1	1	1	1	1	8	١,
	Females	16	3	2	8		1	2	1		1	1			1
	(Total	225	9	15	14	25	18	23	22	24	25	24	14	12	
	Males	116	3	9	7	12	9	10	10	14	15	14	8	5	
Gr. Traverse	Females	108	5	6	7	13	9	13	12	10	10	10	6	7	
	Unknown	1	1	ļ											
	[Total	i	84	27	46	61	47	42	57	54	51	46	38	30	
Gratiot	Males	1	12	12	24	30	19	25	31	25	31	24	22	17	
G18000	Females	261	22	15	22	31	28	17	26	29	20	22	16	18	
	(Total		16	26	26	29	35	38	32	45	42	44	34	41	
	Males		8	12	13	15	16	222	16	23	22	18	19	222	
Hillsdale	Females		8	14	13	14	19	16	16	21	20		15	19	]
	Unknown			17		1	10	10	.5	1	~~			1.0	
	•	i	58	78	90	96	80	88	75	68	87	71	86	77	
	Total				: 80 : 50		36	40	35	81	46	43	45	36	ļ
Houghton	Males	486	30	48		1			į .			i		ŀ	
	(Females	468	28	30	40	50	44	48	40	37	41	28	41	41	

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

							7.1	Mont	ths, 1	884.					
Countles.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown,
	Total	767	60	58	59	69	60	59	61	65	71	79	51	75	
400.0	Males	392	37	23	31	39	83	31	22	37	42	39	26	32	
Huron	Females	365	23	35	28	29	25	26	38	27	28	39	24		
	Unknown	10				1	2	2	1	1	1	1	1		
	Total	676	49	-53	49	55	67	57	51	66	55	64	54	56	
	Males	341	21	25	20	31	38	31	22	36	33	33	25	26	
Ingham	Females	334	28	28	29	23	29	26	29	30	22	31	29	30	
	Unknown	1	****			1									1
	Total	488	27	41	35	36	50	47	31	56	43	47	30	45	
Ionia	Males	252	11	19	18	20	26	20	18	29	24	28	17	22	
	Females	236	16	22	17	16	24	27	13	27	19	19	13	23	
	Total	243	14	17	12	27	16	15	30	18	26	12	28	28	1
Iosco	Males	126	5	10	7	12	10	9	13	10	13	9	12	16	1
	Females	117	.9	7	5	15	6	6	17	8	13	3	16	12	١
	Total	401	21	85	40	36	38	39	36	40	19	27	30	40	
Isabella	Males	206	9	21	27	20	18	15	22	19	8	11	13	23	
	Females	195	12	14	13	16	20	24	14	21	11	16	17	17	
	Total	794	57	43	62	60	55	68	72	78	83	69	75	71	1
Jackson	Males	400	31	23	34	34	36	33	35	34	36	37	30	36	1
	Females	394	26	20	28	26	19	35	37	44	47	32	45	35	
	Total	524	39	42	44	39	41	48	47	56	35	36	52	45	
Kalamazoo	Males	289	22	24	25	23	22	29	30	27	19	18	27	23	
	Females	235	17	18	19	16	19	19	17	29	16	18	25	92	
	Total	63	4	4	2	4	2	3	10	9	13	5	4	3	
Kalkaska	Males	36	2	2	2	1	1	2	6	6	9	4	*****	1	
	Females	27	2	2		3	1	1	4	3	4	1	4	2	
	Total	1,890	126	134	174	153	146	139	156	166	176	177	173	170	
Kent	Males	950	64	63	80	78	69	72	85	76	89	94	101	79	
	Females	940	62	71	94	75	77	67	71	90	87	83	72	91	
	(Total	220	16	16	25	18	17	12	18	18	13	16	18	33	
	Males	120	11	8	9	9	8	7	10	8	7	7	13	23	ļ.
Keweenaw	Females	99	5	8	16	9	9	5	7	10	6	9	5	10	
	Unknown	1							1						
	Total	100	2	7	10	5	11	9	11	9	10	11	5	10	
Lake	Males	49	side	3	3	2	7	4	4	5	6	7	2	6	
	Females	51	2	4	7	3	4	5	7	4	4	4	3	4	

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mont	ths, 1	884.					
ounties.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Thenoun
	[Total	608	28	35	64	58	59	68	51	59	55	48	88	44	-
er	Males	314	11	21	84	28	32	87	26	29	82	17	222	24	
	Females	288	17	14	30	25	27	81	25	29	23	81	16	20	
	Unknown	1						<b></b>		1		<b> </b>			
	[Total	192	9	19	21	17	16	16	14	16	21	17	11	15	ļ
naw	Males	101	8	9	12	18	8	5	7	9	14	6	5	10	ļ.,
	Females	91	6	10	9	4	8	11	7	7	7	11	6	5	
	[Total	669	41	85	49	48	57	45	65	72	74	58	58	67	ļ
	Males	353	18	15	24	25	80	27	88	42	42	28	88	81	ļ.,
wee	Females	315	23	20	25	23	27	18	81	30	82	30	20	36	ļ
	Unknown	1							1		ļ	ļ		ļ	ļ
	[Total	809	222	10	30	19	29	29	23	822	30	33	29	23	ļ.,
gston	Males	166	12	5	19	12	16	16	12	16	15	16	13	14	
	Females	148	10	5	11	7	18	18	11	16	15	17	16	9	ļ.,
	[Total	105	5	5	10	18	10	9	7	4	10	10	8	18	l
•	Males	57	2	3	5	8	4	4	3	2	5	6	2	8	
inac	Females	46	8	2	5	5	6	5	3	2	5	4	1	5	ļ
	Unknown	2			 	 			1	ļ		ļ	ļ		
	[Total	700	49	41	62	62	62	63	61	67	81	43	49	60	
mb	Males	360	28	19	36	85	33	28	81	81	40	222	28	29	ļ
	Females	340	21	22	26	27	29	35	30	36	41	21	21	81	ļ.,
	[Total	712	46	46	59	54	76	88	69	79	46	58	70	71	ļ.,
stee	Males	381	24	21	25	32	88	19	42	42	28	322	35	43	ļ.,
	Females	331	222	25	34	22	38	19	27	87	18	26	35	28	 
	[Total	21	4		3	8	 	2	1	8	2	2		1	١
tou	Males	12	2		2	2		2		2	1	ļ		1	ļ.,
	Females	9	2		1	1			1	1	1	2	ļ		
	[Total	1,074	87	74	105	82	104	98	83	85	80	93	88	96	ļ.,
uette	Males	574	47	47	55	47	58	52	43	40	42	42	51	50	ļ.,
	Females	500	40	27	50	85	46	46	40	45	88	51	87	45	ļ.,
	[Total	301	16	20	15	27	19	23	35	31	222	29	28	88	ļ
n	Males		9	8	6	13	9	12	18	19	12	17	18	21	l
	Females	144	7	12	9	14	10	11	17	12	10	12	13	17	
	Total	375	25	21	29	35	40	34	26	38	82	82	31	82	ļ
sta	Males	198	14	12	11	20	20	21	11	19	18	21	14	17	
<del></del>	i		1		18		20			1	1	1	ı	~	١ - ١

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mon	ths, 1	884.					
Counties.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	∫ Total	638	44	50	53	59	74	50	49	59	55	41	47	55	2
Menominee	Males	324	28	27	28	27	21	80	30	82	26	19	27	20	
	Females	314	16	23	25	82	53	20	19	27	29	223	20	26	2
	Total	196	6	6	11	15	27	13	20	17	23	15	15	16	12
Midland	Males	114	5	3	6	9	13	8	11	12	14	10	6	12	
	Females	82	1	3	5	6	14	5	9	5	9	5	9	4	7
	Total	120	12	9	10	18	11	11	7	11	6	12	7	6	
Missaukee	Males	50	5	2	5	8	3	4	3	4	4	6	3	3	
	Females	70	7	7	5	10	8	7	4	7	2	6	4	8	ļ
	∫ Total	633	54	47	51	53	53	45	40	62	63	64	52	49	ļ
Monroe	Males	329	26	21	37	25	25	26	15	828	32	35	30	25	
	Females	304	28	26	14	28	28	19	25	30	81	29	222	24	١
	(Total	610	26	85	51	61	69	76	60	51	54	39	46	42	j
Montcalm	Males	325	15	16	24	29	34	44	38	24	28	26	23	24	ļ
	Females	285	11	19	27	32	35	82	22	27	28	18	23	18	l
	Total	19	<b></b> .	3		2	2	2	1	1	4	2	ĺ	2	ļ
Montmorency	Males	8	. <b></b> .	2		1	<b></b>		1	1	2	<u> </u>	l	1	١
•	Females	11		1	: 	1	2	2		ļ	2	2		1	· 
	Total	1,092	72	85	105	99	83	79	98	105	90	97	88	90	
	Males	587	34	42	51	53	36	40	44	51	45	51	45	45	
Muskegon	Females	554	38	43	54	46	47	39	49	54	45	46	43	45	
	Unknown	1				 			İ						1
	(Total	239	7	16	11	21	20	29	29	24	25	21	18	18	]
Newaygo	Males	128	6	7	7	10	10	18	16	16	10	13	9	6	:
	Females	111	1	9	4	11	10	11	13	8	15	8	9	12	
	(Total	572	48	35	42	58	43	38	48	55	61	52	43	47	,
	Males	284	25	17	18	32	19		. 24	26	35	24	24	23	
Oakland	Females	286	222	18	24	26	24	21	24	29	26	27	19	24	
	Unknown	2	1			i						1			
	(Total	303	26	19	16	35	28	27	27	27	30		22	18	
	Males	166	11	14	11	19	12	15	13	15	16	19	13	8	i
Oceana	Females		14	5	5	15	16	12	14	12	14	9	13	10	i
	Unknown	2	1	, <b>"</b>	!	- 1	10	1	14	12	. 17	. 0	•	10	
	(Total	43	2	3	6	. 6	3		4	3	6	5	1	4	
0		24	1	1	. 3	3	1	••••	2	1	5	3	1		
Ogemaw	Males		1				į –			j		1	1	3	
	Females	19	1	2	3	3	2	. <b></b> -	2	2	1	2		1	

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mon	ths, 1	884.					_
Counties.	Sex.	Year, 1884.	January.	Fehruary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	[Total	57	1	3	9	4	2	8	5	8	8	9	8	2	
	Males	33	1	2	7	3	1	7	1	3	8	4`	1		
onagon	Females	23		1	2	1	1	1	4	5		4	2	2	
	Unknown	1	<b> </b>				· · · · · ·					1	<b></b> -	<b>-</b>	
	Total	348	21	16	33	27	35	33	82	32	41	18	31	26	8
:ola	Males	172	8	9	12	13	20	20	18	13	21	10	12	14	2
	Females	176	13	7	21	14	15	13	14	19	20	8	19	12	1
	[Total	24	2	2	1	·		1	3	2	4	8	3	8	
xdaabx	Males	10	1	1	1				1		1	1	8	1	
	Females	14	1	1			ļ	. 1	2	2	8	2		2	
	Total	67	4	8	4	9	6	8	2	6	8	6	4	7	
жо	Males	40	4	8	8	6	3	2	1	4	5	2	8	4	
	Females	27			1	3	3	6	1	2	3	4	1	8	
	Total	911	69	78	78	91	66	71	68	72	79	88	85	66	
.wa	Males	465	40	41	47	47	31	83	38	40	322	47	89	80	
	Females	446	20	87	31	44	35	38	30	822	47	41	46	86	
	Total	150	.17	14	13	10	9	12	12	18	9	9	17	10	
elal sup	Males	:	9	5	7	4	5	7	6	11	6	8	11	8	
	Females	73	8	9	6	. <b>6</b>	4	5	6	7	3	6	6	7	
	Total	36	1	3	2	5	4	2	4	5	8	8	8	1	
common	Males	20	!	2	1	4	1	1	2	4	2	1	2		
	(Females	16	. 1	1	1	1	3	1	2	1	1	2	1	1	
	Total	1	133	127	156	165	142	145	150	163	184	149	143	150	4
.naw	Males	1	63	74	82	85	69	82	82	83	77	71	75	82	1
	Females		69	53	73	79	78	63	67	80	56	78	68	67	8
	Unknown	6	1		1	1			1		1			1	
	Total		40	55	74	68	76	82	53	73	74	59	48	52	
ilac	Males	i	20	22	48	29	80	40	26	36	36	28	22	25	
	Females	391	20	33	26	39	46	42	27	87	38	31	25	27	
	Unknown	1	!										1		
_	Total	25		1	3	6	1	2	2	1	2	2	5		
olcraft	i	14	-	١	2	4	1	1	2	1	2		1		
	Females	11		1		. 2 		1		مر		2	40	48	1.
	Total	444	29	22		36	33	35	51	42	38	10	40	46 17	1
wassee	Males			14	17	16	16		26	19	22	19	18	17 29	
	Females	225			. 14	20	17	21	25	23	16	20	22	20	
	(Unknown	1										1			

#### VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 4.—CONTINUED.—Births by Counties, by Months, and by Sex.

								Mon	ths, 1	884.					
Counties.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December,	Unknown.
	Total	1,044	60	69	98	89	100	71	90	95	105	95	98	82	2
94 01-4-	Males	550	39	37	50	50	55	83	50	55	49	47	46	89	
St.Clair	Females	492	21	82	43	39	45	38	40	40	56	48	47	43	
	Unknown	2									 		ļ		2
	Total	462	27	33	34	44	39	31	38	35	51	46	40	44	
St. Joseph	Males	245	16	20	18	23	18	15	17	18	30	25	18	27	
ar aceobu	Females	214	11	12	16	21	21	16	21	17	20	21	222	16	
	Unknown	8		1					j		1			1	
	Total	686	49	45	63	57	55	71	74	68	55	57	33	57	3
Tuscola	Males	851	27	24	34	32	29	80	36	36	26	84	17	26	
Tuboula	Females	883	222	21	29	25	25	40	38	322	29	28	16	31	2
	(Unknown	2			! 		1	1						<b> </b>	
	Total	424	29	35	32	85	36	25	44	36	35	47	23	47	
Van Buren	Males	214	19	18	13	16	19	17	19	18	21	19.	14	21	
	Females	210	10	17	19	19	17	8	25	18	14	28	9	26	
	Total	576	30	48	52	45	43	38	51	43	54	63	42	67	
Washtenaw	Males	807	13	23	28	322	24	23	24	24	29	85	23	29	
	Females	289	17	25	24	13	19	15	27	19	25	28	19	38	
	Total	6,222	485	499	587	495	472	519	513	521	494	520	490	627	ļ
Wayne	Males	3,327	256	281	318	247	253	288	265	301	256	281	253	828	
Way 10	Females	2,893	2229	218	269	248	218	231	248	219	238	239	237	299	
	Unknown	2	ļ	ļ	ļ	ļ	1	ļ		1	ļ				ļ
	Total	253	14	18	20	21	21	34	23	17	19	29	23	14	
Wexford	Males	117	7	9	9	10	9	14	12	8	11	12	11	5	
	Females	136	7	9	11	11	12	20	11	9	8	17	12	9	j

The facts presented for study in Table 5 are now more satisfactory than they have been for a number of years, inasmuch as the population by color and sex is ascertained by the State Census of 1884. Perhaps the most interesting column in this table is the one headed, "Per cent of children born to inhabitants," where it is seen that the birth-rate among the white inhabitants was greater than the average for all colors, and much greater than that of the black, mulatto, and Indian races. By removing the decimal point one place to the right, we have the number of births to each thousand inhabitants among each race or color. According to this, there were 21.9 births to each thousand among the white, 15.9 among the black, 12.2 among the mulatto, 19.6 among the Indian, and 13.9 when the black and mulatto are taken together.

The proportion of the sexes among the different races is seen in the column next to the last. The males predominate in all cases except among the mulatto, and the largest excess of males appears for the Indians.

Table 6 shows, for 1884, the number of inhabitants, and the number of births by county, sex, and color. By this table, we are enabled to compare the birth-rate in each county in 1884 with the birth-rate for the entire State, also to note the fluctuations in the birth-rates of the different counties. The number of births in 1884 was 2.18 per cent of the number of inhabitants in 1884, the number of male births in 1884 was 2.15 per cent of the male inhabitants, and the number of female births was 2.21 per cent of the female inhabitants. The counties showing the highest birth-rates for the year 1884, according to the returns, were Alpena, Bay, Houghton, Huron, Keweenaw, Manistee, Marquette, Menominee, Missaukee, Muskegon, Presque Isle, and Wayne. The counties of Barry, Branch, Genesee, Hillsdale, Lenawee, Oakland and Washtenaw, show a birth-rate considerably less than that of the entire State. As has been remarked before, those counties which contain the largest foreign-born element have the highest birth-rates, and much exceed the rate of the State as a whole. The very low rates in some of the counties mentioned above indicate either an imperfect registration, or a small proportion of a prolific foreign population. These facts are fully sustained by the Census.

TABLE 5.—Exhibiting by Color and Sex, the Population of Michigan, June 1, 1884 the number of Births returned for the Year 1884, the Per Cent of Births to Population, and the Per Cent of Births of each Sex to the total of both Sexes (still-births included.)

Race or Color.	Sex.	Population June 1, IS84, Represented by Births in 1884.	Children	Per Cent of Births of each Color to Total of all Colors, by Sex.	Per Cent of Children Born to Inhabitan's	Per Cent of each Sex to Children of both Sexes.	Inhabitants to one Child born, by Color and Sex.
	Total	<b>1,849,892</b>	40,408	100.00	2.18		45.78
All colors	Males	972,096	20,908	100.00	2.15	51.85	46.49
An colors	Females	877,590	19,414	100.00	2,21	48.15	45.20
ļ	Unknown	206	86	100.00			
	∫Total	1,826,740	40,028	99.08	2.19		45.64
TTT 1.	Males	960,065	20,728	99.14	2.16	51.85	46.32
White	Females	866,665	19,250	99.16	2.22	48.15	45.02
,	Unknown	10	50	58.14	 		,
	Total	6,853	109	.27	1.59		62.87
Black	Males	3,691	55	.26	1.49	50.44	67.11
•	Females	3,162	54	.28	1.71	49.54	58.56
	Total	8,267	101	.25	1.22		81.85
Mulatto	Males	4,211	49	.24	1.16	49.00	85.94
Mulatto	Females	4,056	51	.26	1.26	51.00	79.58
	Unknown	 	1	1.16			
	Total	6,879	135	.33	1.96	 	50.96
Indian	Males	3,559	76	.36	2.14	56.30	46.89
:	Females	3,320	59	.30	1.78	43.70	56.27
i	[Total	1,083	35	.09	8.23		30.94
Unknown color	Males	500					
Chkhown color	Females	387				i 	
ļ	Unknown	196	. 35	40.70	:	!	5.60
	[Total	15,120	210	.52	1.39		72.00
Pleak and Mulcas	Males	7,902	104	.50	1.32	49.76	75.98
Black and Mulatto.	Females	7,218	105	.54	1.45	50.24	68.74
l	Unknown		1	1.16	ļ	!	

<sup>•</sup> Includes 70 Asiatic males.

E 6.—Exhibiting for the State and Counties of Michigan, by Sex, the Population 884, the Per Cent of Births in 1884 to Population, the Number of Males to 100 ales born during the Year 1884, and by Sex and Color the Births returned for £. (Still-births included.)

	Births,		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Col	lor,—Cl	ildren	Born	in 188	4.
ate nd nties.	Males to 100 Females.	Sex.	of each Sex to Total of Both Sexes.	1884 Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors,	White.	Black.	Mu- latto.	In- dian.	Unk
		∫Total		1,849,892	2.18	40,408	40,028	100	101	185	3
		Males	51.85	972,096	2.15	20,908	20,728	55	49	76	
	108	Fomales	48.15	877,590	2,21	- 19,414	19,250	54	51	59	' 
		Unknown		206		86	50		1		3
		Total		4,028	1.19	48	47			1	
<b></b>	78	Males	43.75	2,428	.86	21	20			1	
		Females	56.25	1,600	1.69	27	27				- <b>-</b>
		Total		38,666	1.98	764	761	2	1	ļ	 
	106	Males	51.44	20,052	1.96	393	391	1	1		I
		Females	48.56	18,614	1.99	371	370	1			
		[Total		12,683	8.44	436	434		2	<b></b> .	ļ
	110	Males	52,29	6,990	3.26	228	227	ļ	1		
		Females	47.71	5,693	3.65	208	207		1	ļ	
		∫Total		8,761	1.51	182	182			ļ	
L	128	Males	56.06	4,736	1.56	74	74			<b></b> -	
		Females	43.94	4,025	1.44	58	58				
		[Total		4,027	2.48	100	94			6	ļ
•••••	118	Males	53.00	2,319	2.29	53	51			2	
		Females	47.00	1,708	2.75	47	43			4	
		Total		3,039	2.30	70	57			13	
ئ	112	Males	52.86	1,819	2.03	37	30		<b></b>	7	
<u> </u>		(Females	47.14	1,220	2.70	33	27	<u> </u>		6	
	,	[Total		24,102	1.42	342	342				 
	.03	Males	51.75	12,507	1.42	177	177	·			
		Females	48.25	11,595	1.42	165	165				

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Co	lor,—Cl	hildren	Born	in 188	4.
Counties.	Males to 100 Females.	Sex.	of each Sex to Total of Both Sexes.	1884 Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors.	White,	Black,	Mu- latto.	In- dian,	Unk.
	-	[Total		51,221	2,83	1,448	1,434	2	2	10	
Bay	102	Males	50.55	28,215	2.59	732	728	Same		4	
7		Females	49.45	23,006	3.11	716	706	2	2	6	
		[Total		4,389	2.19	96	94	1	1		
Benzie	88	Males	46.88	2,349	1,92	45	45				į
		Females.	53.12	2,040	2,50	51	49	1	1		
		(Total		37,776	1.69	639	630	5	2		
		Males	48.82	19,225	1.61	310	307	3			
Berrien	95	Females	51.18	18,551	1.75	325	321	2	3		
		Unknown	0.1.20		4.10	4	2				
		Total		27,661	1.46	404	404	*****	*****		
		Males	47.76	14,042	1.37	192	192		1		
Branch	91	Females.	52,24	13,619	1.54	210	210	1388-15			*****
		Unknown	(5,02	10,010	1.01	2	2				
		Total		41,585	1.82	758	721	1	11		9
		Males	49.66	21,297	1.70	361	356	-01	11100		
Calhoun	99	Females	50,34	20,285	1.80	366	360	1	5		
		Unknown	30,31	30,200		31	5	1	1	Level 10	
				21,202	1,68	357	336	3	1	****	2
		Total	PO 07	1000				1	18	******	
Cass	116	Males	53.65	10,886	1.75	191	181	1	9	******	
		Females.	46.35	10,316	1.60	165	154	2	9	*****	
		Unknown		7		1	1		y		
		Total	te be a beat	9,275	1.87	173	168	2		3	
Charlevoix	106	Males	51.45	5,030	1.77	89	87	2	*****	*****	
		Females.	48.55	4,245	1,98	84	81	*****		3	
		Total	********	9,946	2.65	264	262			2	-1.41
Cheboygan	118	Males	54.17	5,503	2,60	143	142			1	
		Females	45.83	4,443	2.72	121	120		*****	1	
		Total	******	7,467	1.15	86	78		1	7	
Chippewa	121	Males	54.65	4,139	1,14	47	43	*****		4	
		Females.	45.35	3,328	1.17	39	35		1	3	
		Total		5,549	1.69	94	94				
Clare	98	Males	49.44	3,251	1.35	44	44				
Olike U	90	Females	50.56	2,398	1.96	45	45		217.00		
		Unknown			-	5	5				·

## BIRTHS, BY COUNTIES, BY SEX, BY COLOR.

TABLE 6.—Continued.—Births by Counties, by Sex, and by Color.

	Births, Males		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Col	lor,—Ch	ildren	Born	in 188	4.
ounties.	to 100 Females.	Sex.	of each Sex to Total of Both Sexes.	1884 Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors,	White,	Black.	Mu- latto,	In- dian.	Unk.
		Total		27,135	1.81	490	490				
	72.5	Males	52.15	14,034	1.82	255	255				
ton	109	Females.	47.85	13,101	1.79	234	234				
		Unknown				1	1				
		Total		1,543	2.46	38	38				
wford	90	Males	47.87	904	1.99	18	18			?	
		Females.	52,63	639	3.13	20	20				
		Total		9,992	2,37	237	237				
ia	98	Males	49.37	5,876	1,99	117	117				
		Females	50.63	4,116	2.92	120	120				
		[Total		31,802	1.81	576	574	2			
	426	Males	54.43	16,210	1.93	313	312	1			
ο	119	Females	45,57	15,592	1.68	262	261	1			
		Unknown				1	1				
		[Total		7,944	1.95	155	121		1	33	
met	112	Males	52.90	4,095	2.00	82	63		1	18	
	- 22	Females.	47.10	3,849	1,90	73	58			15	
		Total		38,776	1.59	615	613	2			
esee	109	Males	52,20	19,782	1.62	321	320	1			
	-	Females.	47.80	18,994	1.55	294	293	1			1
		[Total		1,456	1.99	29	29				
dwin	81	Males	44.83	849	1.53	13	13				
	1	Females.	100	607	2.64	16	16				
		[Total		12,092	1.86	225	225				
		Males	51.79	6,522	1.78	116	116				
Traverse	107	Females.	48.21	5,570	1.94	108	108				
		Unknown		********		1	1				
		[Total		25,049	2.13	533	532		1		
tiot	104	Males		13,204	2.06	272	271		1		3.00
		Females.	48.97	11,845	2.20	261	261				
	1	Total		31,686	1,29	409	408			1	
		Males	50.74	15,911	1.30	207	206			1	
sdale	103	Females.	49.26	15,775	1.27	201	201				1.00
		Unknown		20,770		1	1			7,770	
		(Total		26,146	3.65	954	954				
ghton	104	Males		14,168	3,43	486	486				
ghton	104					100		4			
	1	Females	49.06	11,978	3.91	468	468		******	******	

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Co	lor,—Cl	nildren	Born	in 188	4.
Counties.	Males to 100 Females.	Sex.	of each Sex to Total of Both Sexes.	Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
1		/ Matel		24,521	8.13	767	766				
		Total	51.78	12,934	3.03	392	392				
Huron	107	Males	48.22	5,000	8.15	365	365				
		Females	2.100	11,585		10	, acco 9				
		Unknown	*******	2 2		676	674	1	1		!
		Total	******	34,939	1.98	i .		-	1		
Ingham	102	Males	50.52	17,917	1.90	341	840	1			
		Females	49.48	17,022	1.96	334	333		1		
		Unknown	-9-12-5-			1	1			!	·····
	1	Total	*******	32,559	1.50	488	488				¦
Ionia	107	Males	51.64	17,057	1.47	252	252			! !	
	1	Females	48,36	15,502	1.52	236	236	ļ		·····	
		Total		10,602	2.29	243	242		1	¦	
Iosco	108	Males	51.85	6,060	2.08	126	125		1		
		Females	48.15	4,542	2.58	117	117				
		Total	******	16,011	2.55	401	385		8	13	
Isabella	106	Males	51.37	8,597	2.40	206	198			8	
	j :	Females	<b>48.63</b>	7,414	2.68	195	187		3	5	
	'	Total		45,232	1.75	794	788	6			
Jackson	102	Males	50.38	23,385	1.71	400	397	8			
		Females	49.62	21,847	1.80	394	391	8			ļ
		Total		35,281	1.48	524	518	2	4		
Kalamazoo	123	Males	55.15	17,875	1.62	289	285	1	3		
	1 ,	Females	44.85	17,406	1.35	235	233	1	1		ļ
		[Total		4,493	1.40	63	63				
Kalkaska	183	Males	57.14	2,470	1.46	36	36	! !			
	1 1	Females	42.86	2,023	1.33	27	27			 	ļ
		Total		84,600	2.23	1,890	1,882	4	4	١	İ
Kent	101	Males	50.26	43,467	2.18	950	944	8	3		ļ 
		Females	49.74	41,133	2.29	940	938	1	1		ļ
	1	(Total		4,667	4.71	2:20	2:30				
		Males	1	2,551	4.70	120	120		 	'	ļ
Keweenaw	121	Females			4.68	99	99	1			
	i i	Unknown				1					
		(Total		7,539	1.33	100			1	1	l
Lake	96	Males		4,528	1.08		48	1	· · · · · · · · · · · · ·	1	
		. 1			1.69	51	51			•	, ·
	1 1	(Females	51.00	. 0,011	1.09	91	01	i			

## BIRTHS, BY COUNTIES, BY SEX, BY COLOR.

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Co	lor,—Cl	ildren	Born	in 188	4.
Counties.	Males to 100 Females.	Sex.	of each Sex to Total of Both Sexes.	1884 Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors,	White.	Black.	Mu- latto.	In- dian.	Unk.
		[Total		30,057	2.01	603	599		3		-
	V 444	Males	52.16	15,568	2.02	314	312	24424	2		
)eer	109	Females.	47.84	14,489	1.99	288	287		1		
		Unknown				1		*****			1
		Total		7,128	2.69	192	176	1		15	
lanaw	111	Males	52.60	3,842	2.63	101	91			10	
		Females.	47.40	3,286	2.77	91	85	1		5	
		[Total		49,584	1.35	669	659	8	2		
	1.04	Males	52.84	24,916	1.41	353	350	2	1		
lawee	112	Females.	47.16	24,668	1.28	315	308	6	1		
		Unknown				1	1				
		(Total		21,568	1.43	309	309				
ingston	116	Males	58.72	11,254	1.48	166	166				
		Females	46.28	10,314	1.39	143	143				
		[Total		5,171	2.03	105	95			9	,
		Males	55.84	2,948	1.93	57	50		1 23	7	
ekinac	124	Females	44.66	2,223	2.07	46	44			2	
		Unknown	1	37000	TI- Jan	2	1				
	¥	(Total		31,293	2,24	700	699	1			
comb	106	Males	51,43	15,978	2,25	360	359	1			
COMO	100	Females	48.57	15,315	2.22	340	340				
		[Total	20.01	19,875	3.58	712	712				
nistee	115	Males	53.51	10,879	3.50	381	381	1			
msico	310	Females.	46.49	8,996	3.68	331	331				
		(Total	10.10	1,198	1.75	21	21			*****	
		Males	57.14	547	2.19	12	12				
nitou	133	Females	42.86	456	1.97	9	9		*****		
		Unknown	20.00	195	1.01					*****	
				1955	9 16	1.074	1 000		******		
	115	Total	FO 45	31,397	3.10	1,074	1,073	1		******	******
rquette	115	Males	53.45	17,580	3.27	574	573	1		******	
		Females.	46.55	13,817	3.62	500	500	*****	******		
	522	Total		13,221	2,28	301	300			1	
80n	109	Males	52.16	7,232	1.27	157	156		*****	1	
		Females	47.84	5,989	2.40	144	144				

## VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Co	lor,—Ct			in 188	١.
Counties.	Males to 100 Females.	Sex.	of each Sex to Total of Both Sexes,	1884 Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex,	Total of All Colors,	White.	1	Mu- latto,	In-	Unk
	i	∫ Total		20,597	1.83	375	878	1	1	 	
Mecosta	112	Males	52.80	11,283	1.75	198	197	1	' - <b></b> -		
		(Females	47.20	9,814	1.90	177	176	ļ	1	<del>:</del> -	
		Total	'	19,120	8.84	638	635	¦		. 8	ļ
Menominee	108	Males	50.78	11,488	2,82	324	324	·		į	
		Females	49,22	7,632	4.11	814	811			. 3	
		Total		8,776	2,23	196	196			: !	
Midland	139	Males	58.16	4,728	2.41	114	114	:		:	ļ
		, Females	41.84	4,048	2.08	82	82				
		Total		3,386	8.54	120	119			1	
Miseaukee	71	Males	41.67	2,096	2.46	50	50			·	ļ
		Females	56.33	1,350	5.19	70	69			1	! ;
		. Total		33,353	1.90	<b>63</b> 3	632			. 1	ļ
Monroe	108	· Males	51.97	17,186	1.91	329	339				ļ
		, Females	48.03	16,167	1.86	304	303			: 1	ļ
		Total		35,354	1.73	610	607		3		į
Montealm	114	Males	53.28	18,774	1.73	325	323		2		· 
Monteaum	114	Females	46.72	16,581	1.72	28	284		1		· :
		Unknown		1							ļ
		Total		843	<u>ి</u> ప	19	19				
Montmorency.	73	· Males	<b>4211</b>	494	1.62	š	8				į
		Females	57.59	351	3.13	11	u				
		Total		37,554	<b>±9</b> 1	1,002	1,090		2		
		Males	<b>49.33</b>	37.25	261	230	536		1	•	·
Muskeyva	97	Females	50,78	17,029	なお	354	323		1		
		, Unknown		3		1	1				
		Total		18,996	1.34	239	**			1	,
Newaygo	:15	· Males	55.36	Mes.	1.20	125	125				
		, Females.	46.44	8,312	1.34	111	110			1	
		Total		41,160	1.39	255	570	:			.;
		· Males		-	1.36	24	20	1			ļ
Nakiand	•	Personal	1		1.4	. 286	205	1			j
	j		-			<b>'</b>					,

## BIRTHS, BY COUNTIES, BY SEX, BY COLOR.

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births, Males	9.1	Per Ct. of Births	Popula- tion in	Per Ct. of Births	Col	or,—Ch	ildren	Born	in 188	4.
Counties.	to 100 Females,	Sex.	of each Sex to Total of Both Sexes.	1884 Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
		[Total		14,519	2.09	303	300	1	1	1	
0	123	Males	55.15	7,859	2.11	166	165	1			
Oceana	120	Females	44.85	6,660	2.03	135	133		1	1	
		Unknown	*******			2	2				
		Total		3,475	1.24	43	43				
Ogemaw	126	Males	55.81	1,951	1.23	24	24				
		Females .	44.19	1,524	1.25	19	19				
		[Total		4,836	1.18	57	56			1	
		Males	58,93	3,329	.99	83	32			1	
Ontonagon	143	Females.	41.07	1,507	1.53	23	23				
		Unknown				1	1				
		[Total	.,	14,001	2.48	348	347			1	
Osceola	98	Males	49,43	7,533	2.28	172	171			1	
		Females.	50.57	6,468	2.72	176	176				
		[Total		1,374	1.75	24	24				
Oscoda	71	Males	41.67	798	1.25	10	10				
		Females.	58.33	576	2,43	14	14				
		[Total		3,906	1.72	67	67				1
Otsego	148	Males	59.70	2,223	1.79	40	40				
	1	Females.	40.30	1,683	1.60	27	27				
		[Total		36,225	2.51	911	911				
Ottawa	104	Males	51.04	18,970	2.45	465	465				
-	100	Females.	48.96	17,255	2.58	446	446				
		[Total		4,064	3,69	150	149	1			
Presque Isle	105	Males	51.33	2,168	3.55	77	77		7.0	100	1
		Females	48.67	1,896	3.85	78	72	1		1.000	
		[Total		1,787	2.07	36	34			2	
Roscommon	125	Males	55,56	1,305	1.53	20	19			1	
	5	Females.	44.44	432	3.70	16	15			1	78.00
		(Total		74,795	2.35	1,761	1,755	2		4	
		Males	52.76	41,588	2.23	926	920	2		4	
Saginaw	112	Females.	47.24	33,207	2.50	829	829	~			
		Unknown	1 77 77	indysor!	3100	6	6			******	
	J N	CHKHOWN	* ******			0	0	*****			

TABLE 6.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Col	lor,•-Ch	ildren	Born	in 1884	Ŀ.
Counties.	Males to 100 Females.	Sex.	of each Sex to Total of Both Sexes.	1884 Represented by Births in 1884.	of Each Sex to Popula- tion of Same Sex.	Total of All Colors,	White.	Black.	Mu- latto.	In- dian.	Unk.
	:	(Total		29,583	2.55	754	758	1			
		Males	48.07	15,578	2.82	362	361	1			
Sanilac	98	Females	51.98	14,005	2.79	391	391				
	: 	Unknown				1	1				
		[Total		2,977	.84	25	21			4	
Schoolcraft	127	Males	56.00	1,972	.71	14	11			8	
		Females	44.00	1,005	1.09	11	10		•	1	
	l	∫Total		28,078	1.58	444	444		İ		
<b></b>		Males	49.21	14,781	1.48	218	218		ļ		<b></b>
Shiawassee	97	Females	50.79	18,847	1.69	225	225		<b> </b>		
		Unknown				1	1		! 		
		∫ Total		46,788	2.23	1,044	1,040	2			2
0.01.1.		Males	52.78	24,058	2.29	550	550				
St. Clair	112	Females	47.22	22,723	2.17	492	490	2			
		Unknown		2		2					2
		Total		26,277	1.76	462	461		1		
a. * .	i	Males	53.38	13,295	1.84	245	244		1		
St. Joseph	114	Females	46.62	12,982	1.65	214	214	ļ			! :
	1	Unknown				3	8	ļ			
		[Total		30,728	2.23	686	683	ļ '		1	2
		Males	51.32	16,126	2.18	351	350			1	
Tuscola	105	Females	48.68	14,600	2.28	333	333	<b> </b>			
	!	Unknown			! 	2		ļ			. 2
		∫Total		30,341	1.40	121	419	1	4		
Van Buren	102	Males	50.47	15,377	1.39	214	212		2		
	i :	Females	49.53	14,964	1.40	210	207	1	2		' 
	İ	Total		41,694	1.38	576	567	: 1 8	1		
Washtenaw	114	Males	53.30	21,067	1.46	307	301	5	1		
		Females	46.70	20,627	1.30	269	266	3			
		Total		188,966	3.29	6,222	6,146	45	30		1
T07		Males	53.49	94,492	3.52	3,327	3,290	23	14		! !
Wayne	115	Females	46.51	94,474	3.06	2,893	2,855	22	16		
		Unknown	· • • • • • • • • • • • • • • • • • • •			2	1				1
		{Total		10,518	2.41	253	252	1			
Wexford	86	Males	46.25	5,732	2.04	117	117				
		Females	53.75	4,786	2.84	136	135	1			
	<u> </u>					ا . '		:			

#### PARENT-NATIVITY.

In Table 7 the usual distinction of parentage is made, where it will be observed that the number of children born of native-born parents, in 1884, was 43.06 per cent of the whole number, while the per cent of births of foreign parentage was 36.37 of the whole number. It is worthy of remark that the births of native parentage, for 1884, are less in proportion to the whole number than for any year since 1879; while the births of foreign parentage are greater than for any year during the period from 1870 to 1883. The average per cent of children born of native-born parents for the fifteen years 1870–1884 was 45.12, and the average per cent of children born of foreign-born parents for the same period of years was 34.38 per cent. The births of mixed parentage are steadily increasing in their percentage from year to year.

TABLE 7.—Showing, by Sex, the Parent-nativity of Children Born in Michigan during the Year 1884, according to the Returns,

			To	tal Bi	rths, 189	34.		
Nativity of Parents of Children Born, 1884.		Num	ber.		Po	er Cent	of Total	•
	Totals.	Males.	Females.	Unk.	Totals.	Males.	Females.	Unk.
All Nativities.	40,408	20,908	19,414	86	100.00	100.00	100.00	100.00
Both parents native-born	17,399	8,995	8,386	18	43.06	43.02	43.19	20.98
Both parents foreign-born	14,696	7,645	7,087	14	36.37	36.56	36.25	16.28
Foreign father and native mother	4,612	2,389	2,218	5	11.41	11.43	11.42	5.81
Foreign mother and native father	2,620	1,361	1,259	· 	6.48	6.51	6.49	
Unknown mother, father native	65	37	27	1	.16	.18	.14	1.16
Unknown mother, father foreign	27	14	18	 	.07	.07	.07	 
Unknown father, mother native	148	70	76	2	.37	.33	.39	2.33
Unknown father, mother foreign	73	87	36		.18	.18	.19	
Both unknown	768	360	362	46	1.90	1.72	1.86	53.49
One or both native	24,844	12,852	11,966	26	61.48	61.47	61.64	30.2
One or both foreign	22,028	11,446	10,563	19	54.51	54.74	54.41	22.00

By reference to Table 8, the results given in Table 7 may be compared with the years 1882, 1883, and the average for nine years 1875–1883. The proportion of children born of native-born parents for the year 1884 is less by 2.21 per cent than the average for nine years, while the proportion of children of foreign-born parents is greater than the average by 1.85 per cent.

By dividing the births of mixed parentage equally between the native and foreign, we find that in a population of 1,357,639 persons native-born, there were in 1884, 21,556 children born; while in a population of 486,968 persons foreign-born, there were 18,858 children born. Calculating the rates per one thousand of the population, there were 15.88 per thousand among the native-born, and 38.72 per thousand among the foreign-

born. As the statement of the native population includes very nearly all the children, further study of the subject is necessary in order to arrive at more correct conclusions. Leaving out of the population all those under twenty years of age, we have 636,727 native-born and 386,088 foreign-born. Now computing the rates per one thousand of the population as before, we have 33.85 among the native and 48.83 among the foreign.

The contrast between the birth-rates is thus seen to disappear somewhat, but there is still an advantage on the side of the foreign-born.

TABLE 8.—Parent-nativity of Children Born in Michigan for each of the Years 1882–1884, and the Average for Nine Years, 1875–1883.

National Process of Obitions	18	82.	18	83.	18	84.		9 Years, -1883.
Nativity of Parents of Children Born.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total,
All nativities	37,028	190.00	40,809	100.00	40,408	100.00	35,198	100.00
Both native-born	16,169	43.67	17,810	43.64	17,399	43.06	15,933	45.27
Both foreign-born	18,173	35.58	14,716	36.06	14,696	36.37	12,152	34.52
Foreign father and native mother	4,857	11.77	4,566	11.19	4,612	11.41	8,917	11.13
Foreign mother and native father	2,213	5.97	2,532	6.21	2,620	6.48	2,046	5.81
One or both unknown	1,114	8.01	1,185	2.90	1,081	2,68	1,150	8.27
One or both parents native	22,739	61.41	24,908	61.04	24,631	60.95	21,983	62.84
One or both parents foreign	19,743	53,35	21,814	53.45	21,928	54.27	18,181	51.28
Native	18,584	50.19	20,526	50.30	20,084	49.70	18,187	51.67
Father Foreign	17,618	47.58	19,387	47.51	19,335	47.85	16,228	46.11
Unknown	824	2,23	896	2.19	989	2.45	783	2,22
Native	20,732	55.99	22,587	55.35	22,159	54.84	20,058	56.99
Mother Foreign	15,461	41.76	17,345	42.50	17,389	43.03	14,292	40.60
Unknown	833	2.25	877	2.15	860	2.13	848	2.41

<sup>·</sup> Excluding cases where nativity of either parent is unknown.

TABLE 9.—Exhibiting, for the State and Counties of Michigan, by Sex, the Parentnativity of Children Returned as having been Born within the year 1884 (still births included.)

				Nativity	of Paren	its of C	hildre	n Bor	n, 188	4.	
State		1884.	Born.	Born.	r, Na-	r, Na-		ther nown.		ther nown.	0,0
and Counties.	Sex.	Born,	Native 1	Foreign	fathe ther.	fothe her.	Fat	her.	Mot	ther.	Motts
		Children	Both Nat	Both For	Foreign Father, tive Mother,	Foreign Mother, tive Father,	Native.	Foreign.	Native.	Foreign.	Both Unknown,
	[Total	40,408	17,399	14,696	4,612	2,620	65	27	148	73	768
State	Males	20,908	8,995	7,645	2,389	1,361	37	14	70	37	360
State	Females .	19,114	8,386	7,037	2,218	1,259	27	13	. 76	36	362
	Unknown	86	18	14	5		1		2		46
	[Total	48	14	24	7	3					
Alcona	Males	21	5	10	3	3					
	Females	27	9	14	4						
	[Total	764	467	166	85	43			1		2
Allegan	Males	393	239	91	38	23	·		1		1
	Females	371	228	75	47	20					1
	Total	436	70	309	37	18				2	
Alpena	Males	228	31	165	20	12					
	Females	208	39	144	17	6				2	
	Total	132	56	42	21	13					
Antrim	Males	74	29	26	13	6					
	Females.	58	27	16	8	7				,,,,,,	
	Total	100	31	40	19	10					
Arenac	Males	53	12	22	15	4					
	Females	47	19	18	4	6					
	Total	70	17	42	7	2		*****			2
Baraga	Males	37	10	21	3	1					2
	Females	33	7	21	4	1					
	Total	342	275	23	26	9	5	2	2		
Barry	Males	177	146	11	11	3	2	2	2		
	Females	165	129	12	15	6	3				

## VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 9.—CONTINUED.—Births by Counties, Parent-nativity, and Sex.

		1884	Born.	orn.	ă Z	N.	Mot Unkr	her nown.	Pat Unkt		
Counties.	Sex.	Born,	ive Bo	ign Be	ather, ber.	lother, her.	Fat	her.	Mot	her.	nown:
		Children Born, 1884	Both Native	Both Foreign Born	Roreign Father, tive Mother.	Foreign Mother, tive Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown
	Total	1,448	283	828	192	131		1	8	5	
Bay	Males	732	130	427	101	67			2	8	ı
	Females	716	153	401	91	64		1	1	2	
	[Total	96	49	22	13	11			1		
Senzie	Males	45	26	9	6	4					
	Females	51	23	13	7	7	<b> </b>		1		 
	[Total	639	480	80	52	22	14	2	5	2	
Berrien	Males	810	219	44	21	12	6	1	4	1	
errien	Females	325	238	35	31	10	8	1	1	1	ļ
	Unknown	4	3	1		¦					,
	[Total	404	326	35	27	11			2		
	Males	192	154	20	11	5					
Branch	Females	210	171	14	16	6			2		
	Unknown	2	1	1			ļ				. -
	[Total	758	516	74	49	34	2		6		-
1 - 1 h	Males	361	258	32	27	22	2		1		-
alhoun	Females	366	255	42	22	12			4		-
	Unknown	31	3						1		-
	ſ Total	357	299	20	16	14	. 1		2		-
	Males	191	168	8	6	4			2		-
888	Females	165	130	12	10	10	1	<b></b>	<b></b>		-
	Unknown	1	1			<b>-</b>					-
	[Total	173	80	41	822	14	:			<b></b> .	.
Dharlevoix	Males	89	43	22	14	7	! 				
	Females	84	37	19	18	7			<b></b>	ļ	-
	[Total	264	82	121	32	28	!			1	
Cheboygan	Males	143	44	62	21	15	' <b></b>			1	
	Females	121	38	59	11	13					-
	[Total	86	11	59	7	7	!	1		ļ	-
hippewa	Males	47	б	32	5	3				ļ	-
	Females	39	5	27	2	4	1	1		ļ	-
	∫ Total	94	41	25	15	8	2	1		<b> </b>	
••	Males	44	21	9	7	5	1	1	<b> </b>		-
Clare	Females	45	20	14	8	3	•			ļ	-
	Unknown	5		! 2	!		. 1			l	

# BIRTHS, BY COUNTIES, PARENT-NATIVITY, AND BY SEX.

TABLE 9.—Continued.—Births by Counties, Parent-nativity, and Sex.

		1884.	Born.	Воги.	Na-	, Na		ther	Fat	ther nown.	
unties.	Sex.	Born,		ı uğı	ather ber.	other ier.	Fat	her.	Mot	her.	DOWL
		Children Born, 1894.	Both Native	Both Foreign	Foreign Father, tive Mother,	Foreign Mother, tive Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
-	Total	490	329	40	67	35	4	2	7	2	4
	Males	255	172	19	35	19	4	1	2	1	2
n	Females	234	157	20	32	16		1	5	1	2;
	Unknown	. 1		1							
	[Total	38	20	9	5	4					
'ord	Males	18	8	5	5						
	Females	20	12	4		4					
	(Total	237	45	111	27	11					43:
	Males	117	26	58	11	6					16
	Females	120	19	53	16	5					27
	Total	576	492	22	28	22			5		7.
	Males	313	276	9	14	13					n
	Females.	262	216	13	14	9			5		5
	Unknown	1									1
	Total	155	100	24	13	12	2		3	1	
3 <b>t</b>	Males	82	52	13	7	7	2		1		
	Females.	78	48	11	6	5			2	1	
	[Total	615	895	81	79	52	3		1	2	2
ee	Males	821	206	40	48	22	3		1	2	
•••	Females.	294	190	41	31	30					2
	(Total	29	12	8	6			1			2:
7in	Males	13	5	4	2						2
	Females.	16	7	4	4			1			
	(Total	2:25	126	49	27	16	1		3		3.
	Males	116	64	24	14	10	1		3		
averse	Females.	108	61	25	13	6					3:
	Unknown	1	1								
	Total	533	407	30	48	39	1		5	1	2
ı <b>t</b>	Males	272	215	14	19	19	1		2	1	1
•	Females.	261	192	16	29	20			3		1
	Total	409	361	16	17	10	3		1		1
	Males	207	182	11	8	5	1				
ale	Females	201	178	5	9	5	2		1		1.
	Unknown	1	1							1	

TABLE 9.—Continued.—Births by Counties, Parent-nativity, and Sex.

ļ	!	j.			of Paren		r		1	_	
Consti	e	n, 188	Born.	Born.	er, Na-	er, Na-		ther nown.	Fat	ther nown	Ė
Counties.	Sex.	Bor	Native Born	Foreign	Fath,	Moth.	Fat	her.	Mol	ther.	know
; ;		Children Born, 1884.	Both Nat	Both For	Foreign Pather, tive Mother,	Foreign Mother, tive Father,	Native.	Foreign.	Native.	Foreign.	Both Unknow
i	[Total	954	68	718	129	41		ļ	1		1
Ioughton	Males	486	322	367	69	17		ļ			
•	Females	468	36	846	60	24	i	ļ	1		
ļ	Total	767	100	462	117	n	2	3	4	2	
Iuron	Males	392	46	244	58	34	2	2	2	ļ	
	Females	365	53	214	56	87	l)	1	2	2	
ļ 1	Unknown	10	1	4	8	١ا	اا	اا	ļ	ļ	
١	Total	676	447	85	50	40		l	6		
ngham	Males	341	223	49	24	17	١ا	ا۔۔۔۔۔	<b> </b>		
	Females	834	:224	38	28	23	I	١	6		
l	Unknown	1	·¦-	.			l	ا <sub>ا</sub>	ļ <sub>1</sub>	ļ	
- 1	[Total	488	346	66	50	25	l	ا	1		-
onia	Males	252	178	33	21	19	l	l	1		-
Ì	Females	236	168	33	20	6	1	۱ <sub>۱</sub>	<b> </b>	ļ	-
Ì	Total	243	33	174	18	10	<b> </b>	( <sub>)</sub>	ļ		
0800	Males	128	11	88	18	8	l	ļ <sub> </sub>	ļ <sub>i</sub>		
İ	Females	117	22	86	5	2	l)	ļ <sub>\</sub>	ļ <sub>1</sub>		-
ì	Total	401	215	100	40	45	I)	l	1	ļ	
sabella	Males	206	111	50	20	24	اا	١ا	1	ļ	
l	Females	195	104	50	20	21	1)	اا	<b> </b>		
İ	[Total	794	529	155	65	42	اا	١١	<b>(</b> )		1
ackson	Males	400	255	80	38	26	ا۔۔۔۔۔ا	l <sub>1</sub>	<b> </b>		
Ì	Females	394	274	75	27	16	<u> </u>	1	ļ	ļ	
Ĭ	[Total	524	346	114	41	20	<b> </b>	۱۱	ļ	ļ	
(alamazoo	Males	289	192	63	22	11	ļ)	١	ļ	ļ	-
i	Females	<b>235</b>	154	51	19	9		·	!		-  :
i	Total	63	31	15	10	4	l}	!	1	ļ	. :
Calkaska	Males	36	15	10	7 1	2		•••••• i	·	ļ	-
i	Females	27	16	5	3	2		!	1		.
į	[Total	1,890	744	768	238	118	i i	į	11	4	1
ent	Males	950	359	391	127	60	)	i <sub> </sub>	7	3	1
l	Females	940	385	377	111	58	[)	l	4	1	1
i	[Total	220	12	169	::9	7	ii		ļ	1	:
#eenaw	Males	120	4	99	14	2	, ,•	:}	ļ	1	
	Females.	99	8 ;	69	15	5	١		ļ	<b> </b>	. ;
i	Unknown	1	i	1 .			: ,	,		•	1

TABLE 9.—CONTINUED.—Births by Counties, Parent-nativity, and Sex.

				Nativity	of Pare	nts of C	hildren Bo	rn, 188	£.	
		. 1884.	lorn.	Born.	, Na-	r, Na-	Mother Unknown.	Fat Unk	ber lown.	n.
('ounties.	Sex.	Born	ive B	Foreign	ather.	fother,	Father.	Mot	her.	know
		Children Born, 1884.	Both Native Born.	Both Fer	Foreign Father, tive Mother,	Foreign Mother, tive Father.	Native. Foreign.	Native.	Foreign.	Both Unknown.
	: Total	100	43	35	13	7	1	حفديدين	1	
Lake	Males	49	23	19	7	********				
	Females.	51	20	16	6	7	1		1	
	Total	603	263	166	103	63	1	1	4	2
_	Males	314	141	89	54	34		. 1	1	1
Lapeer	Females	288	121	84	49	29	1	Sec.	3	1
	Unknown	1	1		*****		*****	,		
	Total	192	59	87	30	15		. 1		
Leelanaw	Males	101	37	46	10	7		. 1		
	Females.	91	99	41	20	8	******			
	Total	669	474	78	56	- 24	5 4	3	2	2
	Males	353	257	39	27	13	1 3	1	2	10
Lenawee	Females	315	216	39	29	11	4 1	2		12
	Unknown	1	1							
	Total	309	247	22	26	13		1		
Livingston	Males	166	139	10	17	6		. 1		
	Females.	143	115	12	9	7				
	Total	105	47	35	13	4	1	2		1
	Males	57	25	20	9	1	1	N		1
Mackinac	Females.	46	92	15		3		1		1
	Unknown	2						1		1
	Total	700	321	217	115	45			1	1
Macomb	Males	360	161	113	62	24		,	1	
MacOnio	Females.	340	160	105	53	21		.   .	l 	1
	Total	712	152	461	52	32	1		2	12
Manistee	Males	381	. 89	242	28	15			1	1
manistee	Females	881	63	í i	24	17	1	1	1	6
	Total	21	5	7	7	2		1		
Mandan-	Males	12		3	6	~				
Manitou	Females	9		ا	1	2				
		1,074	110	808	102	47		2	5	
••	Total	•		438	51	27	!	1	2	
Marquette	Males	574	55	1	51 51	20		1	8	
	Females	500	55	370	91	; 20		1 .		

TABLE 9.—CONTINUED.—Births by Counties, Parent-nativity, and Sex.

		<b>ạ</b>	- ;	Nativity	of Paren						
		188	lorn.	ğr.	N.	, a		ther nown.		her 10wn.	ė
Counties.	Sex.	Born	Native Born.	Foreign Born.	ather ther.	fothe her.	Fat	her.	Mot	her.	know
		Children Born, 1894.	Both Na	Both For	Foreign Pather, tive Mother.	Foreign Mother, Native Father.	Native.	Foreign.	Native.	Poreign.	Both Unknow
	Total	301	104	139	84	20	1	1	1		!
Iason	Males	157	50	75	19	10	1	1		ļ	
	Females.	:	54	64	15	10			1	ļ	
	Total	375	176	117	52 <sub>i</sub>	30			; 		
lecosta	Males	198	87	78	20	18		! i	<u> </u>		
	Females	177	89	44	82	12				ļ <u>.</u>	
	[Total	638	101	420	82	23		1	2	3	
enominee	Males	324	58	214	40	11				1	
	Females	314	45	206	42	12		1	2	2	
	[Total	196	100	57	21	14			1	١	1
fidland	Males	114	63	27	14	8			1		
	Females .	82	87	30	7	6	<b></b>				
	Total	120	44	49	15	10			1	ļ	
lissaukee	Males	50	- 22	18	5	4					!
	Females.	70	22	31	10	6			1	İ	
	Total	633	470	74	57	25	[	i	3		
fonroe	Males	329	241	38	38	10			1	ļ. <b></b> .	.!
	Females	304	229	36	19	15			2	ļ	į.
	fTotal	610	371	138	80	29		١		! 	
fontcalm	Males	325	191	<b>81</b> :	30	14				ļ	
	Females	285	180	57	30	15					
	Total	19	5	9	2	3			, 	! !	١
fontmorency	Males	8	1	4	1	2					
	Females	11	4	5	1	1		······		; 	!
	[Total	1,092	257	642	98	73		! 	3	1	
Iuskegon	Males	537	124	330	34	36		!	2		!
uomogom	Females	554	133	312	60	37		!	1	1	
	Unknown	1						1		i	1
	Total	239	133	55	34	14	, 1		1	, 	
lewaygo	Males	128	73	28	20	7			· · · · · ·	·	i
	Females	111	60	27	14	7	1	·	. 1		
	Total	572	388	7:3	53	45	2		3	. 2	
akland	Males	284	198	37	25	21			<b></b>		į
	Females.	286	188	<b>36</b> +	28	24	2		3	2	i
	Unknown	2	2		!						J.

TABLE 9.—CONTINUED.—Births by Counties, Parent-nativity, and Sex.

		1884	orn.		y of Pare	Na	Mo	ther	Fa	ther	
Counties.	Sex.	Born,	ve B	lgn B	ather, her.	other	Fat	ther.	Mo	ther.	DOWD
		Children Born, 1884	Both Native Born.	Both Foreign Born	Foreign Father, I	Foreign Mother, tive Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
	[Total	303	163	81	26	28	2.44		1		4
0	Males	166	87	48	14	16					1
Oceana	Females	135	76	33	11	12			1	***	. 2
	Unknown	2			1						1
	[Total	43	17	19	3	2				1	1
Ogemaw	Males	24	8	11	2	2					1
	Females	19	9	8	1					1	
	Total	57	15	26	11	2			3		
•	Males	33	7	16	7	1			2		
Ontonagon	Females	23	8	10	3	1	******		1		
	Unknown	1			1						
	[Total	348	172	107	42	23	2	1		1	
Osceola	Males	172	86	46	22	15	2	1			
	Females	176	86	61	20	8				1	
	[Total	24	14	4	1	5					
Oscoda	Males	10	6	1	1	2	227124				
	Females	14	. 8	3		3					
	[Total	67	36	23	5	3					
Otsego	Males	40	25	11	1	3					
_	Females	27	11	12	4						
	Total	911	354	372	98	62	3	1	7	1	18
Ottawa	Males	465	184	194	47	27	2	1	5		5
	Females	446	170	178	51	35	1		2	1	8
	Total	150	12	127	11						
Presque Isle	Males	77	6	65	6						
-	Females.	78	6	62	5					1	
	(Total	36	11	18	5	2					
Roscommon	Males	20	7	9	3	1					
	Females	16	4	9	2	1					
	(Total	1,761	543		258	148			3	8	66
	Males	9:26	304	977	136	71			2	2	34
Saginaw	Females	829	239	362	122	77	200		1	1	27
	Unknown	6		1							5

TABLE 9.—CONTINUED.—Births by Counties, Parent-nativity, and Sex.

				Nativity	of Paren	ts of C	hildre	n Bor	n, 188	L.	
	:	186	orn.	lorn.	e Z	', Na	Mo Unki	ther	Fat Unkr		: <u>.</u>
Counties.	Sex.	Botti	ive B	elgn H	Ather ther.	fother. her.	Fat	her.	Mot	ber.	N C II
	: ! :	Children Born, 1884.	Both Native Born.	Both Foreign Born.	Foreign Father, tive Mother.	Foreign Mother, Na- tive Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown
	Total	754	99	480	128	62	1	1	1	2	ļ
	Males	302	52	217	58	31	1	١	1	2	1
Sanilac	Females.	391	46	248	70	31	· · · · · · · ·	, 1	l	<b></b>	· · · · ·
•	Unknown	1	1		;	<b></b>	: <b></b>	' 		· 	
	Total	25	7	16	1	1		٠		i 	· :
Schoolcraft	Males	14	4	10		<b>.</b>					į
	Females	11	8	6	1	1	1				:
	Total	144	277	74	53	35	ļ		2		. 3
Shiawassee	Males	218	135	42	26 İ	15	; 	<b> </b>	ļ		1
191116 W 866CC	Females.	225	141	322	27	20		ļ	2		3
	Unknown	1	1			<b></b>	ļ				·
	Total	1,044	358	866	178	127	2		8	1	1 9
St. Clair	Males	550	191	202	88	61	1		1		. 6
<b>56. 616. 1</b>	Females	492	167	163	10	66	1	 	2	1	2
	Unknown	2		1		<del>-</del>		ļ			. 1
	Total	462	327	65	29	18	. 2	. 2		1	18
St. Joseph	Males	245	167	31	18	16	. 2			1	1 10
	Females	214	159	34	11	2		2	·		6
	Unknown	3	1				ļ	1			.  2
	Total	686	308	186	104	81	2	1	8		. 1
Tuscola	Males	351	162	92:	50	43	. 1		2 '		, I
	Females	333	146	92	54	38	!	1	1		
	Unknown	2	• • • • • • • • • • • • • • • • • • • •	2		• • • • • • • •				•	
	Total	124	349	25	29	14	 !	· · · · · ·	4		. 3
Van Buren	Males	214	173	11	14	. 11		! <b></b>			. 1
	Females	210	176	14	15	3	! !	·	·		. 2
747 1 .	Total	576		119	92	49		: 1		2	11
Washtenaw	Males	307	162	61	48	29	į	1	1	1	. 4
	Females	269	139	58	44	; <u>a</u> )	: 1			1	7
	Total	6,222	1,809	2,931	744	403	- · · ·		23	17	151
Wayne	Males	3,327	(467	1,546	416		· · · · ·		11 12		151
	Females Unknown	2,893		1,385	328				12		
	Total	253	1:22	86	28	15	. 1				
Wexford	Males	117	61	37	13	6					
Wateru	Females	136	61	49	15	9					
	r emaies	1.30	91	417							

### TWIN CHILDREN, 1884.

In 1884, there were 900 twin children returned for the year, of which number 482 were males and 418 were females, or there were 115 males to every 100 females. With the exception of the year 1883, when there were 932 twin children, this is the largest number ever recorded in this State. In 156 cases both children were males, in 124 cases both children were females, and in 170 cases there was one child of each sex. The average proportion of the sexes among twin births for the ten years 1874–1883 was 98 males to 100 females. This is a smaller proportion of males than is found among all children born. In Table 10 the months are arranged in order, those months first in which occurred the largest number of twin births. As in 1883, the months of May and September stand first and second in the order.

TABLE 10.—Exhibiting, by Sex, the Number of Pairs of Twins and Twin Children returned for the Year 1884.

		Numb	er of Ty 188	win Child 14.	lren,	Nu	mber o	Pairs o	Number of Pairs of Twins, 1884.								
Y	ear and Months, 1884.	Total,	Males,	Females.	Males to 100 Females.	Total.	Maler.	Femaler.	One of each Sex.	Males to 100, one of each Sex.	Males to 100						
Ye	par, 1884	900	*482	b418	115	450	156	124	170	92	120						
g.o	( May	114	60	54	111	57	16	13	28	57	12						
More than the av. No. of Twins.	September	96	45	51	88	48	14	17	17	82	8						
5 9 H	April	94	62	8:	191	47	***	. 7	18	122	81						
Sa2	January	92	40	. 52	77	46	10	16	20	50	63						
Av. pe	or month	74	40	84	118	37	13	10	14	93	13						
₹	March	72	. 48	29	148	36	15	8	13	115	18						
ć	February	70	85	35	100	35	8	8	19	42	100						
:	October	70	41	29	141	35	15	9	11	136	167						
± . 138 138	December	68	36	82	112	34	15	13	6	250	11						
the av.	November	66	37	29	128	33	12	8	18	92	150						
Less than	August	56	34	22	155	28	13	· 7	8	162	186						
3	July	52	28	24	117	26	8	. 6	12	67	117						
3	June	50	21	29	72	25	8	12	5	160	67						

<sup>\*</sup> Includes 45 still-born, 3 black and 3 mulatto.

<sup>•</sup> Includes 24 still-born, 3 black and 3 mulatto.

The nativity of the parents of twins for the year 1884 may be studied in Table 11. The percentage of those born of native-born parents was smaller than in any year of the previous ten, with the exception of the years 1875 and 1882, the average for the ten years 1874–1883 being 43.51, which is 4.18 per cent greater than that for 1884. For the foreign-born, the percentage was larger than for any year of the previous ten and 6.72 per cent larger than the average for ten years. Comparing the lines "One or Both Native," and "One or Both Foreign," in Tables 7 and 11 it is seen that there is a much larger twin birth-rate among the foreign-born parents than among the native. The evidence of former years also proves this fact.

TABLE 11.—Parent-nativity of Twins returned in Michigan for 1884.

			Pa	irs of T	'wins, 18	84.		
Nativity of Parents of Twins, 1884.		Nur	nber.				h Paren all Nati	
	Total.	Males.	Females.	One of each.	Total.	Males.	Females.	One of each.
All nativities	450	156	124	170	100.00	100.00	100.00	100.00
Both native-born	177	62	41	74	39.33	89.74	33.06	43.58
Both foreign-born	195	74	59	62	43.83	47.44	47.58	36.47
Foreign father and native mother	41	14	15	12	9.11	8.97	12.10	7.06
Foreign mother and native father	81	5	6	20	6.89	3.21	4.84	11.76
Unknown mother, father native		: ,	İ	! ,	!			 
Unknown mother, father foreign		! 	i		1	! 	! '	 
Unknown father, mother native	 				1			!
Unknown father, mother foreign			·					 
Both unknown	6	1	3	2	1.34	.64	2.42	1.18
One or both native	249	81	62	106	55.33	51.92	50.00	62.35
One or both foreign	267	, 93	80	94	59.33	59.62	64.52	55.29

The proportion of twin births, by nativity and color of mothers, for each of the years 1882-1884, and the average for ten years 1874-1883, is shown in Table 12. In the average for ten years the per cent of mothers who bore twins to all mothers is larger among the foreign-born than among any other nativity or among mothers of all nativities. The per cent among the mulatto mothers is greatly in excess of that among other colors.

TABLE 12.—By Nativity and Color of Mothers, the Number and Proportion of Twin Births returned for the Years 1882, 1883, 1884, and the average for Ten Years, 1874–1863.

		1882.	,		1883.			1884.		Av	for 10 1 1874-188	Years, 3.
Nativity and Color of Mothers of Twins, 1882-1884.	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins.	Per Cent of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins.	Per Cent of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins,	Per Cent of Births of Twins to all Mothers.	No. of Pairs of Twins.	Whole Number of Mothers, including those of Twins.	Per Cent of Births of Twins to all Mothers.
Mothers of all Colors and	430	36,578	1.18	466	40,325	1.16	450	39,950	1.13	403	34,381	1.17
All Native-born mothers	220	20,504	1.07	258	22,323	1.16	218	21,937	.99	223	19,491	1.14
All Foreign-born mothers	199	15,252	1.30	195	17,138	1.14	226	17,159	1.32	171	13,927	1.23
Mothers of Unknown Na-	11	822	1.34	13	864	1,50	6	854	.70	9	963	.98
White	424	36,225	1,17	459	39,953	1.15	444	39,576	1.12	307	33,941	1,17
Black	2	131	1.53	3	116	2.59	3	106	2.83	2	124	1.61
Mulatto	3	103	2.91	3	113	2.66	3	98	3.06	2	89	2,25
Indian	1	117	.85	1	126	.71		135		1	130	.77
Unknown		2			17			35		1	97	1.03
Black and Mulatto	5	234	2.14	6	229	2,62	6	204	2.94	4	213	1.88

Four cases of triplets were returned for 1884, being five less than the number in 1883. The counties so favored were Bay, Osceola, Shiawassee, and St. Clair. There were twelve females all white. The nativity of the parents was equally divided between the native and foreign.

TABLE 13.—Exhibiting certain Details concerning Triplet Children returned for the Year 1884.

	т	riplet Ch	ildren, 1	884.		Parent	s of Triplets,	1884.
Counties.	Month of			Sex.		Birthplace of	Birthplace of	Occupation
	Birth, 1884.	Color.	Males.	Females.	Unk.	Father.	Mother.	of Father.
Bay	April	White		8		Germany	Germany	Tailor.
Osceola	November.	White		3	:j	Michigan	Michigan	Farmer.
Shiawassee	December.	White		3		Indiana	New York	Laborer.
St. Clair	February	White		8		Germany	Germany	Farmer.

In Table 14 may be seen the number of pairs of twins and sets of triplets returned for the fourteen years 1871–1884, also the average for those years.

TABLE 14.—Plural Births,—Fourteen Years,—1871-1884.

Years.	Pairs of Twins,	Cases of Triplets.	No. of Births to One Pair of Twins.	No. of Births to One Case of Triplets,
1871	298	8	87	8,664
1872	342	5	82	5,599
1878	490	4	82	8,652
1874	408	2	76	15,526
1875	870	1	86	81,958
1876	428	8	80	4,279
1877	367		91	88,895
1878	427	8	82	11,721
1879	402	2	85	17,061
1880	358	5	99	7,085
1881	372	5	98	6,950
1882	430	9	86 <sup>1</sup>	4,114
1888	466	9	88	4,584
1884	450	4	90	10,102
Average	396	4	86	12,116

Table 15 shows the nativity of the parents of plural births for the fourteen years 1871-1884, and the average for those years. For 1884, the percentage of foreign-born and mixed parentage was greater than the average, while the percentage of native-born and unknown parentage was less than the average.

TABLE 15	5.—Parentage o	of I	Plural	Births,-	Fourteen	Years,-	- <i>1871</i> - <i>1884</i> .
----------	----------------	------	--------	----------	----------	---------	-------------------------------

		Nativ	re-born.	Foreig	m-born.	Mi	xed.	Unk	nown.
Years.	Totals.	Nos.	Percent-	Nos.	Percent- ages.	Nos.	Percent- ages.	Nos.	Percent- ages.
871	603	270	44.63	215	85.54	48	7.93	72	11.90
1872	699	307	43.92	272	38.91	87	12.45	38	4.72
878	852	390	45.78	<b>33</b> 0	88.73	120	14.09	12	1.40
874	8222	329	40.03	321	89.05	140	17.08	32	3,89
1875	748	271	36.47	318	42.80	124	16.69	30	4.04
1876	880	391	44.43	322	36.59	143	16.25	24	2.73
877	784	334	45.51	252	84.38	1:22	16.62	26	8.54
878	863	402	46.58	291	33.72	142	16.45	28	3.2
879	810	374	46.17	236	29.14	188	23.21	12	1.40
880	731	341	46.65	276	87.75	104	14.23	10	1.87
1881	759	355	46.77	270	35.57	124	16.34	10	1.85
1882	887	350	39.46	358	40.36	153	17.25	26	2.96
1883	959	417	43.48	364	37.96	150	15.64	28	2.90
1884	912	360	39.47	396	43.42	144	15.79	12	1.85
Average	804	349	43.53	801	87.42	128	15.71	25	3,3

### STILL-BIRTHS, 1884.

The number of still-births returned for 1884 is considerably larger than for any previous year, the number being 919, while the average for ten years 1874–1883 was only 711. In 1884, 2.27 per cent of all the births returned were still-born, and 2.26 per cent of all the mothers, who bore children during the year, gave birth to still-born children. These per cents are somewhat larger than the average for ten years.

Table 17 is interesting in showing the influence of parent-nativity upon the births of still-born children. According to the evidence here presented, the foreign-born mothers-produce a larger percentage of still-born children than the native-born mothers, not only for each year in the table, but also for the average. Among the different races in the average, the percentage of still-born children is greatest among the African race-and smallest among the Indians.

TABLE 16.—The Relation of Still-births to all Births, and the Relation of Mothers of Still-born Children to all Mothers Returned for each of the Years 1881, 1882, 1883. 1884, and the Average for Ten Years 1874–1883.

		Total Bir	ths and Sti	ill-births.	
Children and Mothers.	1881.	1882.	1883.	1884.	Av. for 10 Years, 1874-1883.
All children born	34,749	37,026	40,809	40,408	34,793
Still-born children	691	792	884	919	711
Per cent of still-born to total	1.90	2.14	2.17	2.27	2.04
All mothers	34,367	36,578	40,325	39,950	34,361
Mothers of still-born children	678	771	863	904	691
Per cent of mothers of still-born children to all mothers.	1.97	2.11	2.14	2.26	2.01

TABLE 17.—By Nativity and Color, the Number and Proportion of Mothers having Still-births, for the years 1882, 1883, 1884, and the average for ten years 1874–1883.

		1882.			1883.			1884.		Av.	for 10 1 1874-188	ears, 3.
Nativity and Color of Mothers.	Mothers having Still- births.	Whole No. of Mothers, including those of Still- births.	Per Cent of Mothers of Still-births to all Moth- ers.	Mothers having Still- hirths.	Whole No. of Mothers, including those of Still- births.	Per Cent of Mothers of Still-births to all Moth- ers,	Mothers having Still- births,	Whole No. of Mothers, including those of Still- births.	Per Cent of Mothers of Still-births to all Moth- ers.	Mothers having Still-births.	Whole No. of Mothers, including those of Still- births.	Per Cent of Mothers of Still-births to all Mothers.
Mothers of all colors and all nativities.	771	36,578	2.11	863	40,325	2.14	904	39,950	2.26	691	34,381	2,01
All native-born	358	20,504	1.75	398	22,323	1.78	373	21,937	1.70	333	19,491	1.71
All foreign-born	306	15,252	2.01	334	17,138	1.95	348	17,159	2.03	277	13,927	1.96
Mothers of un- known nativi- ties	107	822	13.02	131	864	15.16	183	854	21.43	81	963	8.41
White	760	36,225	2.10	846	39,953	2.12	858	39,576	2.17	672	33,941	1.98
Black	9	131	6.87	2	116	1.72	8	106	7.55	4	124	3.23
Mulatto	1	103	.97	1	113	.88	3	98	3.06	3	89	3.37
Indian	1	117	.85	1	126	.79	6	135	4.44	1	130	.77
Unknown		2		13	17	76.47	29	35	82.86	11	97	11.34
Black and Mu-	10	234	4.27	3	229	1.31	11	204	5.39	7	213	3,29

TABLE 18.—Parent-nativity of Still-born Children, returned for the Year 1884.

			Still	-born Cl	ildren,	1884.		
Nativity of Parents of Still-born Children, 1884.		Nuz	nber.			ativity (	each Par to Total tivities.	
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All nativities.	919	541	324	54	100.00	100.00	100.00	100,00
Both native-born	810	180	120	10	33.73	88.27	37.04	18.53
Both foreign-born	811	185	117	9	88.84	34.20	36.11	16.67
Foreign father and native mother	66	45	18	8	7.18	8.82	5.55	5.55
Foreign mother and native father	41	26	15		4.46	4.81	4.63	
Unknown mother, father native	7	4	2	1	.76	.74	.62	1.85
Unknown mether, father foreign	2	2			.22	.37		
Unknown father, mother native	6	8	8		.66	.55	.93	
Unknown father, mother foreign	1	1			.11	.18		
Both unknown	175	95	49	81	19.04	17.56	15.12	57.41
One or both native	430	258	158	14	46.79	47.69	48.77	25.93
One or both foreign	421	259	150	12	45.81	47.87	46.30	22,22

**TABLE 19.**—Exhibiting, by Sex, the Parent-nativity, and by Sex and Months, the Number of Still-births returned in Michigan for the Year 1884.

		DOWN.	Both Unit	171	95	4	60
<b>38</b>	ier wn.	er.	Poreign.	-	-	1	
rtbs, 11	Pather Unknown,	Mother	'sallan	9	65	co	
till-bh	her own.	er.	Forelgn.	01	<b>Q</b> 2	-	
s of S	Mother Unknown,	Father	.evilaN	1-	4	03	1
Nativity of Parents of Still-births, 1884.	pur .	Mother, ather,	Foreign Native F	41	26	15	
lvity of	-aV ba	a ther a	Foreign Fi	98	45	18	00
Nat			Forelgn.	311	185	117	0
			AntheN.	310	180	130	10
			Unknown	03	-	1	03
			ресешрек	98	88	88	
		,	November	18	53	22	*
			October.	E	45	88	00
		-	September	29	13	25	9
ž			August,	62	52	81	10
Months, 1884.			July.	19	30	81	8
Mont			June.	67	37	22	9
			May.	88	19	88	6
			JbdA	28	98	24	4
			March.	8	47	661	7
			February.	19	88	98	01
			January	88	40	31	00
		18%.		616*	1159	N.	450
	Sex of	Still-births, 1884.		Total	Males	Females	Unknown

• Includes 13 pairs and 11 half-pairs male twins; 2 pairs and 8 half-pairs female twins; 8 male twins and 12 female twins of one of each sex.

b Includes 5 black, 1 mulatto, 3 Indian, and 2 illegitimate.
c Includes 3 black, 2 mulatto, 3 Indian, and 2 illegitimate.

d Includes 29 color unknown.

Table 20 presents a comparison in regard to the sex of children born alive, still-born, and illegitimates, in 1883, 1884, and during the previous twelve years. Among the children born alive, the average in this State has been 108 males to 100 females, but among still-births male children are greatly in excess. The records in regard to illegitimate births hardly afford sufficient data for satisfactory comparisons.

	•	•		
		1883.	1884.	Previous 12 Years.
,	Males	20,688	20,367	201,866
Born alive	Females	19,204	19,090	187,022
	Unknown	88	82	867
Males to 100 females		108	107	106
,	( Males	518	541	3,889
Still-born	Females	828	824	2,728
	Unknown	43	54	397
Males to 100 females		157	167	141
	Males	155	101	1,702
Illegitimate	Females	158	92	1,577
	Unknown	8		32
Males to 100 females.\		101	110	106

TABLE 20.—Births,—Proportion of Males to Females,—Fourteen Years.

### ILLEGITIMATE CHILDREN, 1884.

For the year 1884, there were returned to this department 193 illegitimate children as having been born within the year. This is at the rate of five in every thousand children born and is a smaller percentage than is shown for any year since 1870. In 1883, there were 311 illegitimates returned and the great reduction in the number for 1884 can be accounted for by the fact that Wayne county only contributed 49, while in 1883 there were 144. The children born in the "Foundlings' Home" of Detroit have generally been returned as illegitimate, but they were not so returned for 1884, hence the reduction. If these births were added they would make the number about the same as here-tofore.

Table 22 shows the nativity and color of mothers of illegitimate children for the years 1882, 1883, 1884, and the average for ten years 1874–1883. In the average for ten years, the per cent of mothers of illegitimates to all mothers is slightly greater among the native-born than among the foreign-born. Among the different races, the per cent of mothers of illegitimate children to all mothers is greatest among the Indians, and least among the white inhabitants.

Table 26 is interesting and valuable, as it shows, by sex, the illegitimate birth-rate among the different races for the year 1884. The largest per cent of illegitimate births to population appears for the blacks and Indians, the smallest for the white inhabitants.

It would certainly be unfair to conclude from the above showing that the native-born women of Michigan were more immoral than the foreign-born. While it is true that, for 1884, 53.37 per cent of the illegitimate births were of native-born mothers to 35.75

per cent of foreign-born mothers, still, a comparison of rates based on the data of the population in the two classes, makes a different showing. According to the census of 1884, there were 291,906 native-born females in Michigan between the ages of 15 and 45 to 125,873 foreign-born females of child-bearing age. Calculating the birth-rates to each 10,000 mothers of each class, we have 3.91 for the native-born to 6.38 for the foreign-born. That is to say, in every ten thousand native-born females in Michigan, in 1884, there were four illegitimate births, and in every ten thousand foreign-born females there were six illegitimate births. Considering the fact that the native-born females include nearly all the Indians and those of African descent, among whom the illegitimate birth-rate is shown to be greater than among other races, the showing is certainly favorable for the native-born whites.

TABLE 21.—The Relation of Illegitimate Children to all Children Born for the Years 1881–1884, and the Average for Ten Years 1874–1883.

·		Total Birt	hs and Ille	gitimates.	
Children and Mothers.	1881.	1882.	1883.	1884.	Average for 10 Years, 1874–1883.
All children born	34,749	37,026	40,809	40,408	34,798
Illegitimate children	382	801	811	193	292
Per cent of illegitimates to total	1.10	.81	76	.48	.84
All methers.	34,367	36,578	40,325	39,950	34,381
Mothers of illegitimate children	378	299	306	192	290
Per cent of mothers of illegitimates to all mothers	1.10	.82	.76	.48	.84

TABLE 22.—By Nativity and Color, the Number and Proportion of Mothers of Illegitimates Returned for the Years 1882-1884, and the Average for Ten Years 1874-1883.

		1882.			1883.			1884.		A	for 10 1 1874-188	
Nativity and Color of Mothers.	Mothers having Il- legitimates.	Whole Number of Mothers, includ- ing those of Ille- gitimates,	Per Cent of Mothers of Hiegitimates to all Mothers.	Mothers having Il- legitimates,	Whole Number of Mothers, includ- ing those of Ille- gitimates.	Per Cent of Mothers of Illegitimates to all Mothers.	Mothers having Il- legitimates.	Whole Number of Mothers, in clud- ing those of Ille- gitimates.	Per Cent of Mothers of Illegitimates to all Mothers.	Mothers having Il- legitimates,	Whole Number of Mothers, includ- ing those of Ille- gitimates.	Per Cent of Mothers of Illegithmates to all Mothers.
Mothers of all colors and all nativities	24.5	36,578 20,504	.82	306 135	40,325 22,823	.76	192	39,950 21,937	.48	290 140	34,381 19,491	.84
All foreign-born mothers Mothers of unknown nativities	77 79	15,252 822	.50 9.61	86 85	17,138 864	.50 9.84	69 20	17,159 854	.40 2.34	71 79	13,927 963	.51 8.20
White	275	36,225	.76	289	39,953	.72	182	39,576	.46	269	83,941	.79
Black	9	131	6.87	5	116	4.31	4	106	3.77	6	124	4.84
Mulatto	4	103	3.88	5	113	4.42	1	98	1.02	4	89	4.49
Indian	11	117	9.40	7	126	5.55	5	135	3.70	10	130	7.69
Unknown		2			17	.,		35		1	97	1.08
Black and Mulatto	13	234	5.56	10	229	4.36	5	204	2.45	10	213	4.69

\_ALLE 93.—Exhibiting, by Sex, the Number by Months, and the Nativity of Parents of Megitsmates, returned for the Year 1884.

						×	Months, 1884.	18, 10	<b>3</b>					-	Nath	rity of A	of M	othe s, 18	hers of 1884.		Z	Nativity of Fathers Illegitimates, 1884.	vity of Fatlegitimates,	e Fa	thers 8, 1884.	o .
							-			-					Native	6	å	oreign.	1	Ĺ	Z	ative.		Po	Porelgn,	
Sex of Illegitimates, 1884.	Year, 1884.	.vanuat	Pebruary	March.	April.	May.	June.	.vint.	August.	September, October,	November,	December,	Спклочп,	Total,	Born in Michigan.	Born in other States,	.fatoT	Born in Canada,	Born in other Countries,	Опклочи.	Total.	Born in Michigan.	Born in other States,	.letoT	Born in Canada.	Countries. Unknown.
Totals	▶ 183	15	16	13	13	2	75	16 1	15 10	16 12	111	18		103	22	31	69	8	9	21	38	88	11	8	=	10
Males	≥ 101	00	<b>10</b>	ij	10	14	63	90	80	8	9 6	10		20	30	16	8	15	75	<b>b</b> -	119	133	9	19	6	10
Females	86 "	~	=	90	80	10	12		1-	00	20	90		48	88	15	30	14	16	14	11	112	10	11	03	6

• Includes 2 males, and 2 females still-born; 1 pair female twins.

• Includes I Black, I Mulatto, and 2 Indian.

• Includes 4 Black, and 3 Indian.

TABLE 24.—Illegitimate Births Registered in Fourteen Years, 1871-1884.

W		Born out of llock.	<b>W</b>		Born out of llock.
Years.	Number.	To every 1,000 Births.	Years.	Number.	To every 1,000 Births.
1871	188	7.04	1878	202	5.74
1872	199	7.11	1879	292	8.56
1878	816	9.18	1880	425	12.00
874	236	7.57	1881	382	10.99
.875	193	6.04	1882	801	8.18
876	286	7.77	1883	811	7.65
1877	316	9.46	1884	193	4.78
Average 14 years				273	8.00

TABLE 25.—Illegitimate Births,—Nativity of Mothers,—14 Years.

		Na	tive.	Fore	eign.	Unki	nown.
Years.	Total.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1871	183	75	40.98	74	40.44	81	18.56
1872	199	101	50.76	65	32,66	33	16.56
1873	816	128	40.51	95	80.06	93	29.42
1874	236	110	46.61	93	39.41	33	13.96
1875	193	96	49.74	32	16.58	65	33.66
1876	286	173	65.01	53	19.92	40	15.04
1877	816	161	50.93	80	25.32	75	23.78
1878	202	114	56.44	84	16.83	54	26.78
1879	202	137	46.92	90	80.82	65	22,26
1880	425	148	34.82	78	17.18	204	48.00
1881	832	187	48.95	98	25.65	97	25.40
1882	801	145	48.17	77	25.58	79	28.25
1883	811	137	44.05	86	27.65	88	28.30
1894	198	103	53.37	69	35.75	21	10.88
Average	273	130	47.62	73	28.74	70	25.64

TABLE 26.—Exhibiting, by Color and Sex, the Population of 1884, the Number of Illegitimates returned for the Year 1884, and the Per Cent of such Children to Inhabitants.

Color or Race,	Sex.	Population June 1, 1884, represented by Births in 1884,	Total Illegitimate Births, 1884,	Per Cent of Births to Population.	Per Cent of each Sex to Total of Both Sexes.	Number of Inhabitants to one Illegitimate Child of the same Color.
	Total	*1,849,892	193	.01		9,585
All colors	Males	972,096	101	.01	52.33	9,625
All colors	Females	877,590	92	.01	47.67	9,539
	Unknown	206				***************************************
	[Total	1,826,740	182	.01		10,087
	Males	960,065	97	.01	53.30	9,898
White	Females	866,665	85	.01	46.70	10,196
	Unknown	10				
	[Total	6,853	5	.07		1,371
Black	Males	3,691	1	.03	20.00	3,691
	Females	3,162	4	.13	80.00	791
	Total	8,267	1	.01		8,267
Mulatto	Males	4,211	1	.02	100.00	4,211
	Females	4,056				
	Total	6,879	5	.07		1,376
Indian	Males	3,559	2	.06	40.00	1,780
	Females	3,320	3	.00	60.00	1,107
	[Total	1,083				
	Males	500				
Unknown	Females	387				········
	Unknown	196				
	[Total	15,120	6	.04		2,520
Black and Mulatto	Males	7,902	2	.03	33.33	3,951
	Females	7,218	4	.06	60.67	1,805

<sup>•</sup> Includes 70 Asiatic males.

TABLE 27.—Exhibiting, by Counties, the Number of Pairs of Twins and the Number of Illegitimate and Still-born Children returned for the year 1884.

State and Counties.	Number of Pairs of Twins Born in 1884.	Number of Illegiti- mate Children Born in 1884.	Number of Still- births in 1884.	Counties.	Number of Pairs of Twins Born in 1884.	Number of Illegiti- mate Children Born in 1884.	Number of Still-births in 1884.
State	450	193	919	Isabella	6	2	6
	_			Jackson	6	2	11
Alcona			1	Kalamazoo	3	1	8
Allegan	8	1	5	Kalkaska	2		2
Alpena	6		4	Kent	26	1	35
Antrim	2		.5	Keweenaw	2	1	6
Arenac	4	1	3	Lake	1		3
Baraga	1		1	Lapeer	7	6	10
Barry	3	1 .	5	Leelanaw	1	2	5
Bay	16	4	21	Lenawee	7	3	19
Benzie			3	Livingston	5	1	3
Berrien	9	6	17	Mackinac			1
Branch	5		10	Macomb	11		17
Calhoun	3	6	33	Manistee	11	5	37
Cass	3	1	10	Marquette	13	14	40
Charlevoix		1	3	Mason	8	2	7
Cheboygan		1	7	Mecosta	6	1	6
Chippewa	2	1	1	Menominee	11	1	11
Clare	1	1	8	Midland	1		3
Clinton	7	3	3	Missaukee	1	1	7
Crawford	3			Monroe	8	2	13
Delta	3		4	Montcalm	8	2	23
Eaton	8	3	15	Montmorency			1
Emmet		4	3	Muskegon	13	2	20
Genesee	10	2	13	Newaygo	5	1	5
Gladwin	1			Oakland	5	6	7
Grand Traverse	1	1	5	Oceana	7		4
Gratiot	7	4	7	Ogemaw	1	1	1
Hillsdale	2		7	Ontonagon	1		2
Houghton	10	6	16	Osceola	4	1	7
Huron.	4	3	30	Oscoda	1		1
Ingham	7	2	7	Otsego			8
Ionia	5	1	8	Ottawa	10	5	T
Iosco	2		3	Presque Isle			

TABLE 27.—CONTINUED.—Births 1884.

Counties.	Number of Pairs of Twins Born in 1884,	Number of Illegiti- mate Children Born in 1884.	Number of Still- births in 1884.	Counties.	Number of Pairs of Twins Born in 1884.	Number of Hiegiti- mate Children Born in 1884.	Number of Still- births in 1884.
Roscommon	1		2	St. Joseph	4		15
Saginaw	22	3	41	Tuscola	7	5	14
Sanilac		4	21	Van Buren	2	4	8
Schoolcraft	1		2	Washtenaw	6	2	12
Shiawassee	4	1	1	Wayne	70	49	175
St. Clair	10	8	27	Wexford	4	1	2

TABLE 28.—Townships in which it was reported there were no births in 1884.

	Townships—No Births	Population in 1884.			
Counties.	in 1884.	Total.	Males.	Females.	
Total		4,561	3,189	1,873	
Arenac	Whitney	319	. 227	92	
Berrien	Union				
Gladwin	Buckeye	102	63	39	
	(Cold Springs	128	68	60	
Kalkaska	Glade	42	25	17	
Marquette	Richmond	370	205	163	
Montmorency	Briley	226	125	101	
	(Beaver	300	177	123	
Newayzo	Goodwell	423	290	133	
Осеаца	Colfax	128	65	63	
	Damon	260	138	122	
	Edwards	158	88	70	
Ogemaw	Foster	299	157	142	
	Hill	30	20	10	
Ontonagon	Carp Lake	1,117	1,089	48	
	(Charlton	208	169	39	
Otsego	Hayes	201	110	91	
Roscommon	Gerrish	251	193	58	

IABLE 39.—Exhibiting the Counties and Loronships from when no return of Divins in 100x were textered.

	Townships from which	Pol	Population, June 1 1884.	384.	ine 1,		White		Bla	Black and Mulatto.	o.	In	Indian.		Unk	Unknown.	i,	2	Native.		H	Foreign.	4	n	Unknown.	own
Counties.	no Returns of Births were received for 1884.	Total.	Males.	Females.	Females aged 15 to 45.	Total.	Males.	Females.	.latoT	Males,	Females.	.latoT	Males,	Pemalea.	.IntoT	Males.	Vemales,	Total.	Males.	Females.	Total	Males.	Females.	Total,	Males.	Females.
Total	Total	3,766	2,328	1,438		3,740	2,311	1,129	00	н	93	25	15	9	03	1	-	088,1	1,0,1	818	1,841	1,266	575	8	19	\$
Chippewa	McMillan	955	200	348		825	909	346	00	-	01		1	H			1	198	155	106	169	452	242			
Crawford	Grayling	846	477	369	-	846	477	369	1	1	1	1	4	i	1	1	- ;	514	566	848	244	164	8	88	47	4
Gladwin	Billings	88	8	88	***************************************	88	20	88			1		i	1	1	1	1	29	88	38	22	17	7	1		1
Ogeniaw	Cumming	162	8	55		162	06	61	1	-	1	1		1	1	-		09	88	31	106	61	41	1	1	1
Roscommon	Higgins	851	809	343	1	851	208	343	1	1		1	i		1	1	1	229	276	253	318	556	88	4	00	
	(Burt	336	88.2	88		313	83	16	i	-	1	52	16	9	03	-	н	101	11	30	227	160	67	Ç.S	-	
Schooleralt	Thompson	533	358	175		588	358	175	1	1		- !	1	1	1	-	-	300	175	125	25	183	40	-	1	

## MARRIAGES, 1884.

A law of the State requires that all persons solemnizing marriages shall make a record of each marriage and within ninety days thereafter, deliver to the clerk of the county in which such marriage took place, a certified copy of such record.

As shown by these records, the number of marriages solemnized in Michigan during the year 1884 was 15,002, a number less by 1,418 than was originally returned for 1883. This marked decrease was undoubtedly in a great measure due to the "hard times" which prevailed during 1884, and perhaps also to the neglect of persons solemnizing marriages to comply with the law which requires a record of the same to be filed.

The average annual number of marriages, as first returned for the ten years 1874-1868 was 13,100. The average annual number for the same period of years, when the marriages are corrected for additional returns up to Nov. 11, 1885, was 13,950, a difference of 850.

The number of marriages in 1884 to every thousand of the population was 8.09; that is to say, of every thousand of the inhabitants at all ages, sixteen were married.

The average number of marriages for each of specified periods of time, during the year 1884, was as follows:

Total number of marriages	15,002
Average number per quarter	3,751
month	1,250
week	289
day	41

Table 30 shows the number of marriages solemnized in different quarters of the year, for each of the years 1881–1884, and the average for ten years 1874–1883. From this it will be seen that the last quarter of the year shows the greatest number of marriages; this has been the case without exception for the past ten years.

The order by number of marriages for the different quarters of 1884 was the same as shown in the average for the past ten years, and was as follows: fourth, third, first, second.

TABLE 30.—Marriages by Quarters of the Year for each of the Years 1881-1884, and the Average for Ten Years 1874-1883, Corrected for Additional Returns up to November 11, 1885.

Totals and Months with which	1881.		1882.		1883.		18	34.	Average for 10 Years, 1874-1883,	
Quarters end.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.
Totals	15,894	100.00	16,796	100.00	16,979	100.00	15,002	100.00	18,950	100.00
March	3,482	21.91	3,643	21.69	3,784	21.99	8,626	24.17	8,131	22.44
June	3,489	21.95	3,739	22.26	4,001	23.57	8,547	23.64	3,059	21.98
September	3,820	24.03	4,005	23.84	4,036	23.77	3,652	24.34	3,330	23,87
December	5,100	32.09	5,398	32.14	5,201	30.63	4,173	27.82	4,428	31.71
Unknown	3	.02	11	.07	7	.04	4	.03	7	.06
Average*	8,974	25.00	4,199	25.00	4,245	25.00	8,751	25.00	3,488	25.00

<sup>·</sup> Including marriages in unknown quarter of the year.

Tables 30 and 31 are very nearly similar, the only difference being that in the former the additional returns have been incorporated, while the latter contains only the marriages as originally returned and published in the reports.

A comparison of the two tables shows just how often persons solemnizing marriages have filed a record of the same, after the time allowed them by law in which to do so had elapsed. It does not, however, show how many have entirely disregarded the law; that is wholly a subject for speculation.

TABLE 31.—Marriages by Quarters of the Year for each of the Years 1881–1884, and the Average for Ten years, 1874–1883, as originally returned and published in Reports.

Totals and Months with	1881.		1882.		1883.		18	34.	Average for 10 Years, 1874–1883.	
which Quarters end.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number	Per Cent.	Number.	Per Cent.
Totals	14,847	100.00	16,178	100.00	16,420	100.00	15,002	100.00	13,100	100.00
March	3,376	22.74	3,577	22.11	3,696	22.51	3,626	24.17	3,043	23,23
June	3,368	22.69	3,644	22,52	3,966	24.15	3,547	23.64	2,948	22.50
September	3,630	24.45	3,878	23.97	3,954	24.08	3,652	24.34	3,163	24.15
December	4,471	30.11	5,068	31.33	4,798	29.22	4,173	27.82	3,940	80.08
Unknown	2	.01	11	.07	6	.04	4	.08	6	.04
Average •	3,712	25.00	4,045	25.00	4,105	25.00	3,751	25.00	8,275	`

<sup>•</sup> The number in unknown quarter of year included.

Table 32 shows the marriages by months, arranged in order by number. As in 1883, the largest number of marriages occurred in October, although in the average for ten years the largest number occurred in December; the smallest number occurred in June, the same as in the average for ten years.

The last quarter of the year seems to be the most prolific of marriages, and while there is occasionally an exception, still as a general rule, December, October and November, in the order named, show the greatest number of marriages during the past ten years.

TABLE 32.—Marriages, by Months, greatest first, for the Years 1882–1884, and the Average for Ten Years 1874–1883. Corrected for Additional returns up to November 11, 1885.

		1882.			1883.			1884.			re for 10 874–1883	
e:	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.	Months.	Num- ber.	Per Cent of Total.
Order.	Total	16,796	100.00	Total	16,979	100.00	Total	15,002	100.00	Total	13,950	100.00
1	Nov	1,845	10.99	Oct	1,795	10.57	Oct	1,463	9.75	Dec	1,481	10.62
2	Oct	1,799	10.71	Nov	1,756	10.84	Nov	1,422	9.48	Oct	1,472	10.55
8	Dec	1,754	10.44	Dec	1,650	9.71	April	1,291	8.60	Nov	1,470	10.54
4	Sept	1,480	8.81	Sept	1,549	9.13	Dec	1,288	8,59	Sept	1,250	8.96
5	July	1,359	8.09	April	1,428	8.41	Sept	1,257	8.38	July	1,119	8.02
6	April	1,342	7.99	Jan	1,351	7.96	Jan	1,254	8.36	Jan	1,098	7.87
7	Jan	1,262	7.51	July	1,324	7.80	Mar	1,224	8.16	April	1,085	7.78
8	Мау	1,247	7.42	Mar	1,291	7.61	July	1,222	8.14	Mar	1,050	7.53
9	Mar	1,227	7.81	Мау	1,291	7.60	Aug	1,173	7.82	Мау	1,030	7.38
10	Aug	1,166	6.94	June	1,282	7.55	Мау	1,160	7.73	Feb	983	7.04
11	Feb	1,154	6.87	Aug	1,163	6.85	Feb	1,148	7.65	Aug	961	6.89
12	June	1,150	6.85	Feb	1,092	6.43	June	1,096	7.31	June	944	6.77
	Unk	11	.07	Unk	7	.04	Unk	4	.03	Unk	7	.05
	Ava	1,400	8.33	Avs	1,415	8.33	Av	1,250	8.33	Av•	1,162	8.33

<sup>·</sup> Includes those for unknown month.

Table 33 gives the number of marriages by months, during the year 1884, as returned from each county in the State.

TABLE 38.—Distinguishing by Counties and by Months, the Number of Marriages
Returned for the Year 1884.

1							Mon	ths, 18	884.					
State and Counties.	Year, 1884.	January.	February.	March,	April.	May.	June,	July.	August,	September,	October,	November,	December,	Unknown,
State	15,002	1,254	1,148	1,224	1,291	1,160	1,006	1,222	1,173	1,257	1,463	1,422	1,288	4
Alcona	19		2	1	2	1	3	4	1	2	1	2		
Allegan	331	32	30	26	32	25	4	31	21	30	28	40	32	
Alpena	93	8	1	10	9	13	3	10	8	10	19		2	
Antrim	77	6	13	10	1	5	4	3	7	8	9	8	5	
Arenac	20			4	3	2		2	2	2	2		3	
Baraga	17		3	1	1	3		1	2	1	4		1	
Barry	195	12	16	18	19	11	10	12	10	23	30	9	25	
Вау	343	36	23	17	24	36	24	32	18	35	29	36	33	
Benzie.	25			8	8	1	4	1		2	2	4		
Berrien	535	35	35	38	44	43	47	39	62	44	45	43	60	
Branch	217	17	13	16	16	11	20	30	28	15	17	20	14	
Calhoun	364	42	23	30	29	30	26	25	17	28	31	49	84	
Cass	229	17	14	26	14	15	10	23	17	15	16	29	33	
Charlevoix	57	4	2	4	3	6	5	7	7	4	9	4	2	
Cheboygan	74	6	5	3	5	3	5	8	8	11	5	8	7	
Chippewa	64	5	5	4	5	8	8	1	4	9	5	5	10	
Clare	49	2	6	3	1	7	1	9	1	7	2	2	8	
Clinton	188	9	11	19	16	17	6	10	17	13	23	29	18	
Crawford	19	1	1	3	2	5	1	2			1	3		
Delta	80	2	8	10	5	3	12	10	10	6	8	2	4	
Eaton	237	12	22	24	13	19	15	17	15	16	22	34	28	
Emmet	57	5	4	1	7	2	10	5	5	2	4	5	7	
Genesee	293	24	31	28	29	22	17	31	24	14	33	21	19	
Gladwin	13	3	1	1		2		1	1	1		2	1	
Grand Traverse.	70	5	6	9	12	2	8	7	7	6	3	3	2	
Gratiot	157	7	13	15	22	9	7	13	15	13	10	14	19	
Hillsdale	351	35	23	41	22	21	12	29	21	32	31	29	54	13
Houghton	237	16	18	8	15	13	26	32	30	20	22	22	15	
Huron	129	6	17	9	15	4	9	12	9	12	11	9	16	
Ingham	264	34	19	18	32	14	30	17	90	20	27	24	7	

# VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 33.—CONTINUED.—Marriages by Counties, by Months.

							Mon	ths, 18	884.					
Counties.	Year, 1884.	January.	February.	March.	April,	May.	June.	July.	August.	September.	October.	November.	December,	Unknown.
Ionia	269	21	22	18	26	24	14	19	21	22	24	34	24	
Iosco	98	9	10	6	5	10	13	6	10	6	10	9	4	
Isabella	110	10	8	9	7	10	3	8	7	13	16	7	12	
Jackson	390	38	32	41	33	28	27	30	19	28	49	37	28	in
Kalamazoo	283	17	19	24	23	21	31	26	32	21	28	26	15	
Kalkaska	26	1		2	3	3	1	1	3	2	3	4	3	
Kent	725	79	53	59	69	80	64	73	60	66	65	33	24	
Keweenaw	21	1	4		5	1	2	1		2	1	3	1	
Lake	37	3	3	2	6	2	2	1	:4	2	5	4	3	
Lapeer	220	19	13	22	21	10	10	19	15	24	23	20	24	
Leelanaw	62	5	8		3	10	7	3	3	5	3	6	9	
Lenawee	461	41	45	40	40	29	29	33	32	43	40	50	39	
Livingston	136	13	10	15	10	9	4	3	5	10	23	17	17	
Mackinac	23		1		2	7	3	3	2	2	1	2		
Macomb	223	23	16	16	26	17	15	20	13	15	15	23	24	1
Manistee	201	23	14	11	19	13	11	17	19	18	11	28	17	
Manitou	3							1				2		
Marquette	169	25	13	12	15	15	19	13	13	16	19	4	5	
Mason	118	7	11	5	8	9	6	17	16	14	12	9	4	1
Mecosta	179	11	19	15	14	12	13	25	13	14	19	7	17	
Menominee	155	9	10	4	19	18	16	13	14	15	15	12	10	1
Midland	79	7	9	7	7	5	5	6	4	9	5	6	9	
Missaukee	15	1	3	3	2	2		2	1			1		
Monroe	342	34	19	28	37	23	19	27	22	23	38	39	30	
Montcalm	286	31	29	39	22	15	18	19	20	13	27	26	27	1.0
Montmorency	4	1					1		2					l.,
Muskegon	395	35	30	30	35	27	27	26	53	34	29	37	32	
Newaygo	157	14	15	11	14	12	8	16	15	11	13	12	16	pro
Oakland	290	22	25	27	26	17	13	23	19	23	29	35	31	700
Oceana	110	9	3	10	13	15	7	7	12	7	8	10	9	1
Ogemaw	25	5	3	3			2	4		3	1	2	2	
Ontonagon	15	1	2	2	201111	3	1	1	1	1	1	2		
Osceola	131	7	8	15	10	14	6	16	7	8	9	14	17	1
Oscoda	8							2	1	4			1	
Otsego	31	6	2	4	3	22	3		3	1	5	1	1	
Ottawa	336	11	27	29	34	34	28	27	17	27	35	37	30	

TABLE 83.—CONTINUED.—Marriages by Counties, by Months.

							Mon	ths, 18	384.					
Counties.	Year, 1884.	January.	Pebruary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Presque Isle	37	2	2	8	5	6	2	1	1	8	3	9		
Roscommon	10		2				2				2	1	8	
Saginaw	574	41	44	88	44	61	60	40	43	55	59	62	27	
Sanilac	158	16	10	11	11	6	7	14	10	8	22	15	28	
Schoolcraft	19	8	1		2		2	5		1	1	3	1	
Shiawarsee	176	11	18	19	13	12	10	18	8	16	21	20	20	į
St. Clair	394	26	24	22	38	30	35	83	25	42	41	31	47	
St. Joseph	290	24	22	27	18	16	19	23	20	22	81	88	35	
Tuscola	230	16	12	25	25	18	18	14	24	20	28	20	20	
Van Buren	250	16	19	17	16	16	14	16	21	30	37	22	26	
Washtenaw	320	38	23	27	29	18	23	15	25	25	40	86	21	
Wayne	1,494	181	121	105	123	129	134	110	117	124	148	145	107	
Wexford	118	10	4	16	9	8	15	6	12	10	4	10	14	

## COLOR OF PERSONS MARRIED.

By an examination of Table 34 it will be seen that the marriage rate for 1884 was greatest among the blacks, next greatest among the whites, and least among the Indians. It may in this connection be stated, that the illegitimate birth-rate has for many years been greatest among the Indians, as may be seen by referring to the tables in Births.

TABLE 34.—Exhibiting, by Color and by Sex, the Number of Marriages and the Per Cent of Persons Married in 1884 to Population in 1884.

Color, 1884.	Sex.	ulation June I. 84, represented Marriages in 54,	Number of Mar- rlages, 1854.		Married, 84. Per Cent	er Cent of Persons Narried in 1:84 to Population June 1, 1884, by Sex and Color.	nher of Persons o Married those another Color.
		93.35	. N.	Aumoer.	of Total.	P. P. R.	Num Who
	ſ Total	*1,853,658	15,002	30,004	100.00	1.62	66
	Males	974,424	·	15,002	50.00	1.54	33
All colors	Females	879,028		15,002	50.00	1.71	. 33
	Unknown	206	l			,	·
							-
i	Total	1,830,480	14,835	29,674	98,90	1.62	20
White	Males	962,376		14,835	98,89	1.54	8
·	Females	868,094		14,839	98.91	1.71	12
•	(Unknown	10	1		,	••••••	
1	Total	6,856	102	197	.66	2.87	. 19
Black	Males	3,692		102	.68	2.76	. 13
	Females	3,164		95	.63	3.00	6
ŀ	Total	8,267	36	70	.23	.85	16
Mulatto	Males	4,211	(	36	.24	.85	9
	Females	4,056		34	.23	.84	7
	[Total	6,900	25	55	.18	.80	11
Indian	Males	3,574		25	.17	.70	. 3
	Females	3,326		30	.20	.90	8
	[Total	1,085	4	8	.03	.74	
	Males	501		4	.03	.80	
One or both unknown	Females	388		4	.03	1.03	
	Unknown	196					<b></b>
<del> </del>			-				
	Total	15,123	138	267	.89	1.77	35
Black and Mulatto	Males	7,903		138	.92	1.75	22
	(Females	7,220	1	1:29	.86	1.79	13

<sup>•</sup> Includes 70 Asiatic males.

Table 35 shows the number of marriages in each county in the State in 1884, and the color of persons married.

TABLE 35.—Exhibiting for the State and Counties, the Number of Marriages returned for the Year 1884, and the Color of Persons Married in 1884, stated by Couples.

	<del></del>							
	i :	Color	of Perso	ns Mar	ried, 188	i, State	d by Cot	ples.
State and Counties.	Marriages, 1884.	ą.	·	Mulatto.	an.	Female Unk., Male White.	Male Unk., Fe- male White.	Unk.
		White.	Black.	Mul	Indian.	Mal	Male	Both
State	15,002	* 14,835	b 102	c 36	d 25			4
Alcona	19	19		! 	:	<b>:.</b> .	. <b></b>	i ,
Allegan	331	331			ļ	i . <b></b>	ļ	
Alpena	93	93		ļ		. <b></b>		
Antrim	77	77			: 			
Arenac	20	19		i 	.1	· · · · · · · · · · · · · · · · · · ·	· 	
Baraga	17	12		,	5	:		
Barry	195	195		ļ	 			:
Bay	343	339		1	3	; . • • • • • • • • •		
Benzie	25	24		1		; 		
Berrien	585	<b>52</b> 5	9	, 1				! '
Branch	217	217	<b></b>	! !				,
Calhoun	364	350	7	, 5			 	2
Cass	229	219	5	• 5		 	ļ	i 
Charlevoix	57	56	1					
Cheboygan	74	74	!	: !				
Chippewa		1 58	1	; ,	<b>*</b> 5	 		
Clare	49	48						1
Clinton	188	187			h 1		 	İ
Crawford	19	18			1			
Delta	80	80		ļ		 		
Eaton	237	235	2	' 		 		
Emmet	57	1 52		!	5	İ		
Genesee	293	292	1			l		
Gladwin	1	13	' 					
Grand Traverse	i :	70						
Gratiot	157	157						
Hillsdale	351	349	1 2					
= - =	, wi		1 -		1		1	,

a Includes 7 couples, male White, female Indian; and 1 couple, male White, female Mulatto.
b Includes 7 couples, male Black, female White; and 6 couples, male Black, female Mulatto.
c Includes i couple, male Mulatto, female Indian;
5 couples, male Mulatto, female Black; and 3 couples, male Mulatto, female White.
d Includes 2 couples, male Indian, femaleWhite;
and 1 couple, male Indian, female Black.

<sup>• 1</sup> couple, male Mulatto, female Indian, and 1 couple, male Mulatto, female Black.

• 4 couples, male White, female Indian.
• 1 couple, male Indian, female White.
• 1 couple, male Indian, female Black,
• 1 couple, male White, female Indian.
• 1 couple, male White, female White.

TABLE 35.—CONTINUED.—Marriages in 1884, by Counties, by Color.

ı		Col	or o	of Perso	ns Mar	ried, 188	4, State	l by Cou	ples.
Counties.	Marriages, 1884.	White.		Black.	Mulatto.	Indian.	Female Unk., Male White.	Male Unk., Fe- male White.	Both Unk.
Houghton	237	2	237						
Huron	129	1	129	•••••	'			<b></b>	
Ingham	264	2	260	• 8	1				·
Ionia	269	5	989		 			, <b></b>	•••••
Iosco	98		97	•••••	1		' <b></b>	<b></b>	·
Isabella	110	ъ ј	108	1	<b> </b>	1		<b></b>	 
Jackson	390	8	386	4		·		<b></b>	ļ <u></u>
Kalamazoo	283	2	276	3	4	į	, ,		
Kalkaska	26		26	• • • • • • • •		<u> </u>	Í	<b> </b>	: 
Kent	725	7	715	d 6	• 4				 
Keweenaw	21		21	<u> </u>	! !	i 	!		: :
Lake	37		37	<b></b>	! !	<u></u>			
Lapeer	220	2	220					i	i
Leelanaw	62		60			2	1		
Lenawee	461	4	159	1 2					
Livingston	136	1	135	s 1					
Mackinac	23		23	•					
Macomb	223	h 2	223	•••••				1	
Manistee	201		201 i	•••••			:		
Manitou	3		3	•••••					!
	169	,	169	•••••		1		:	
Marquette	118	-	117	1 1			:		
Mason	179		177	_			ļ		; !
Mecosta	1 1			2	i		1		!
Menominee	155		155			!	, • • • • • • • • • • • • • • • • • • •	ļ	;
Midland	79		78	1				' !	
Missaukee	15		15		:			!	
Monroe	342	-	342	• • • • • • • • • • • • • • • • • • • •					ļ <b>-</b>
Montcalm	286	i :	285		k 1	·	• • • • • • • • • • • • • • • • • • • •	I <b></b>	!
Montmorency	4		4					·	ļ
Muskegon	395	;	395					·	ļ
Newaygo	157		155	1		1 1		: 	
Oakland	290	:	297	1	1			ļ <b></b> .	
Oceana	110		110	: 		:		. <b></b>	j

<sup>1</sup> couple, male Black, female White.
1 couple, male White, female Indian.
1 couple, male Mulatto, female White.
4 1 couple, male Black, female Mulatto.
1 couple, male Mulatto, female Black.
1 couple, male Black, female Mulatto.

g 1 couple, male Black, female Mulatto.
h 1 couple, male White, female Indian.
l 1 couple, male Black, female White.
j 1 couple, male White, female Mulatto.
k 1 couple, male Mulatto, female White.
l 1 couple, male Indian, female White.

TABLE 35.—Continued.—Marriages	in	1884, b	y Counties	$, b_1$	Color.
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		Color	of Perso	ns Marı	ied, 1884	, Stated	by Cou	ples.
Counties.	Marriages, 1854.	White.	Black.	Mulatto.	Indian.	Female Unk., Male White.	Male Unk., Fe- male White.	Both Unk.
Ogemaw	25	25						
Ontonagon	15	15	ļ					
Osceola	131	131				<b></b>		
Oscoda	8	8	ļ	 			<b></b>	
Otsego	81	31	ļ					
Ottawa	336	335	1	ļ	ļ			
Presque Isle	37	37		ļ	<b> </b>		<b> </b>	
Roscommon	10	10			ļ			
Saginaw	574	574				 		
Sanilac	153	153		ļ			 	
Schoolcraft	19	19		ļ	<b> </b>			
Shiawassee	176	175		• 1			<b> </b>	
St. Clair	394	392	2	ļ				<b></b>
St. Joseph	290	287	2	1	ļ			
Tuscola	230	230						
Van Buren	250	247	b 2	1	ļ			
Washtenaw	320	307	• 12	4 1	<b></b>			
Wayne	1,494	1,458	• 29	1 7				
Wexford	118	118	<b>-</b>					

### NATIVITY OF PERSONS MARRIED.

Table 36 shows the marriages in 1884 according to the nativity of the persons married, and also the per cent of bridegrooms and brides for each nativity. It will be seen that 8,593 native-born bridegrooms married native-born brides, 1,350 married foreign-born brides, and 63 married brides whose nativity was not stated in the returns.

Of the native-born brides 8,593 married native-born bridegrooms, 1,817 married foreign-born bridegrooms, and 29 married bridegrooms of unknown nativity. In like manner, the number of foreign-born bridegrooms and brides may be obtained. As shown by the last column of this table, 66.70 per cent of all the bridegrooms in 1884 were native-born, 32.62 per cent were foreign-born, and .68 per cent were of unknown nativity. This is a slight increase over the percentage of native-born bridegrooms in 1883, it being in that year 66.22 per cent. This fact is worthy of notice, as it is the first time for many years that the percentage of native-born bridegrooms has not been less than for the preceding year; the average decrease for the four years 1880-1883 being 1.04 r cent.

 <sup>1</sup> couple, male Mulatto, female White.
 b 1 couple, male Black, female White.
 1 couple, male Black, female Mulatto.
 d 1 couple, male Mulatto, female Black.

<sup>• 3</sup> couples, male Black, female White, and 2 couples, male Black, female Mulatto. <sup>1</sup> 2 couples, male Mulatto, female Black.

The last line in the table shows that of the brides, 69.59 per cent were native-born, 29.84 per cent foreign-born, and 1.07 per cent were of unknown nativity. This shows an insignificant decrease in the proportion of native-born brides, from that of 1883, but a decrease much less than usual, as compared with former years.

TABLE 36.—By Nativity, the Number and Per Cent of Brides and of Bridegrooms
Returned as having been Married during the year 1884.

		!	I	Brides, 188	l.	Bridegrooms, 1884.		
	В	ridegrooms and Brides, Nativity Specified.	Native- born.	Foreign- born.	Un- known.	Total of each Na- tivity and of all Na- tivities.	Per Cent of each Nativity	
		Native-born	8,593	1,350	63	10,006	66,70	
`	Bridegrooms	Foreign-born	1,817	3,049	28	4,894	32.62	
		Unknown	29	3	70	102	.68	
	, Who	le number of each nativity and total.	10,439	4,402	161	15,002		
	Brides ( Per c	ent of each nativity and total	69.59	29.34	1.07		100.00	

Table 37 shows the marriage rates among the native and foreign-born inhabitants in 1884, and also the marriage rate for all nativities.

This Table as published in 1880, gives the marriage rate for each 100 of the inhabitants, as follows: Total of all nativities 1.73, native 1.65, foreign 1.86. Inasmuch as the census was taken during that year, we may consider the marriage rates as given above, to be substantially correct.

The same Table as published for the years 1881, 1882 and 1883, shows a marked and constant increase in the marriage rates each year. This is easily accounted for when we take into consideration the fact, that while during these years the population of the State, and consequently the number of marriages, were constantly increasing, still in computing the marriage rates, the census of 1880 was used each year as a basis. It will readily be seen that the figures so obtained would be misleading.

The Table for 1884 as here published, is especially valuable for the reason that in computing the marriage rates, the present population has been used as a basis. The marriage rates as given are as follows: Total of all nativities 1.62, native 1.51, foreign 1.91 per cent.

As compared with 1880 this shows a decrease in the marriage rate of .11 per cent. This decrease as has been stated before was probably due in part to the "hard times" which prevailed during 1884.

The Table also shows that the marriage rate was greater among the foreign-born inhabitants than among the native-born. This has been the case for many years, and is due to the fact that the native-born inhabitants include the children and persons not of marriageable ages, while the foreign-born inhabitants are principally adults. This fact is clearly brought out in the following tabulated exhibit, which shows by nativity and sex for the year 1884, the number of inhabitants of Michigan aged 15 years and over, the number of persons married, and the per cent of persons married to inhabitants.

By this it appears that the marriage rate among the native-born inhabitants in 1884 was slightly greater than among the foreign-born, and that it is greatest among the native-born females, and least among the foreign-born males.

TABLE 37.—Exhibiting, by Sex, the Nativity of Persons Married in Michigan in 1884, and the Population in 1884.

		iages, 84.	Population Represe	on June onted by es in 189	Mar-		Perso	ons Ma	rried,	1884.	
Nativity of Persons Married, 1884.	Num- ber.	Per Ct.	Total.	:     Males.	Females.		Number	•	Marri Popu	ent of lied in lation of	884 to
					ļ	Total.	Males.	Fe- males.	Total.	Males.	Fe- males.
Total 15,002 100.00 51,853,658 974,424 8	879,028	30,004	15,002	15,002	1.62	1.54	1.71				
Native-born	8,598	57.28	· 1,357,689	695,490	662,145	20,445	10,006	10,439	1.51	1.44	1.58
Foreign-born	3,049	20.32	4 486,968	272,298	214,669	9,296	4,894	4,402	1.91	1.80	2.05
Foreign male and	1,817	12.11					<u></u> .	! ,	!		
Foreign female	1,350	9.00		l		<b></b> -		 			
Nativity unknown.	a 198	1.29	• 9,051	6,636	2,214	263	102	161	2.91	1.54	7.27
One or both native.	11,852	79.00							i	j— — 	
One or both foreign	6,247	41.64				! :		! !			

Includes cases where one or both are unknown.
 Includes 206 unknown sex.
 Includes 4 unknown sex.
 Includes 1 unknown sex.
 Includes 201 unknown sex.

								•	
Nativity.		s June 1, 18 ears and Ov		Person	ns Married,	1884.	Marr Inhal	led in bitants. aged 1	Persons 1884 to June 1, 5 Years
	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Fe- males,
All Nativities	1,213,684	649,588	564,046	30,004	15,002	15,002	2.47	2.31	2.66
Native	782,620	403,790	378,830	20,445	10,006	10,439	2.61	2.48	2.76
Foreign	423,384	289,827	183,557	9,296	4,884	4,402	2.20	2.04	2.40

Table 38 shows the percentages of marriages according to nativity of persons married, for the past fourteen years, and also the average for these years. The percentages do not show any marked variation from year to year, if we except the percentage from unknown nativity.

The decrease in this percentage is due to the fact that more care is exercised than formerly in making the returns.

TABLE 88.—Marriages according to Nativity, -- Percentages for Fourteen Years.

Years.	Both Na- tive-born.	Both For- eign-born.	Native-born Groom and Foreign- born Bride.	Foreign- born Groom and Native-born Bride.	Not Stated,
1871	58.94	19.13	6.32	12.11	3.50
1872	60.09	18.06	6.95	11.88	3.03
1878	57.94	20.72	6.69	12.45	2.20
1874	59,89	18.29	7.39	12.17	2,26
1875	61.55	16.08	7.35	12.88	2.14
1876	62.44	15.02	7.01	13.26	2.27
1877	63.33	14.31	7.18	18.05	2.13
1878	63.83	12.68	7.72	13.48	2.29
1879	64.15	12.78	7.40	13.56	2.11
1880	62.17	15.20	7.48	13.02	2.18
1881	59.30	18.00	8.18	12.75	1.77
1882	58.15	19.61	8.72	12.47	1.05
1883	57.19	20.60	8.65	12.27	1.29
1884	57.28	20.32	9.00	12.11	1.29
Average	60.45	17.20	7.57	12.68	2.10

### AGES OF PERSONS MARRIED.

Table 39 shows by nativity and sex, the average age of persons married in Michigan during the years 1881–1884, and the average for ten years 1875–1884. It will be seen that 28 years for the males, and 23 for the females, seem to be about the average ages for marriage in this State, also that the average age for the foreign-born is greater than for the native-born.

TABLE 39.—By Nativity, the Average Agc of Persons Married in Michigan in 1881-1884, and the Average for Ten Years—1875-1884.

Nativity of Persons	1	881.	1:	882.	1:	883.	1	884.		ge for 10 1875–184.
Married.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
All nativities.	28.09	23,20	28.17	23,39	28.25	23,36	28.43	23.40	28.13	23,15
Native	27.49	22,83	27.69	23.01	27.82	22.90	28.00	22,96	27.66	22.74
Foreign	29.33	24.20	29.17	24.32	29.09	24.40	29.27	24.44	29.26	24.40
Unknown	81.43	23.83	28.70	23.85	29.21	24.52	31.06	24.08	28.85	23.62

Table 40 shows by sex and periods of age, the number and proportion of persons married in 1884. The proportion of males married at different periods of age shows little variation from year to year; the proportion of females married under twenty years of age has steadily decreased, while in the same ratio the proportion of those married from 20 to 25 has increased. In 1876 the proportion of females married under 20 was 38.89

per cent, while in 1884 as shown by the table it was 33.98 per cent; on the other hand in the same years the proportion married from 20 to 25 was for the former year 35.68 per cent, for the latter 38.40 per cent.

Seventy per cent of all the males married in Michigan during 1884 were aged from 20 to 30 years, and over 52 per cent of the females were married at these ages. This is about the same proportion as was shown for 1883.

TABLE 40.—Exhibiting, by Sex and by Periods of Age, the Number and Per Cent of Persons Married during the year 1884.

			M	larriages, 1	884.		
Ages in Years	Total		Males.			Females	
and Periods.	Number of Persons Married, 1884.	Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Correspond- ing Ages.	Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Correspond- ing Ages.
All ages.	30,004	15,002	100.00	50.00	15,002	100,00	50.00
13	5				5	.04	100.00
14	20				20	.13	100.00
15	98				98	.65	100,00
16	851	1	.01	.12	850	5.67	99.88
17	1,147	5	.03	.44	1,142	7.61	99,56
18	1,699	104	.69	6.12	1,595	10.63	93.88
19	1,629	242	1.61	14.86	1,387	9.25	85.14
20	2,095	572	8.81	27.30	1,523	10.15	72.70
21 to 25	9,506	5,268	85.12	55.42	4,238	28.25	44.58
25 to 30	6,705	4,639	30.92	69.19	2,066	13.77	80.81
30 to 35	2,484	1,729	11.58	71.04	705	4.70	28.96
35 to 40	1,283	837	5.58	65.24	446	2.97	84.76
40 to 45	806	496	3.31	61.54	310	2.07	38.46
45 to 50	495	810	2.07	62.63	185	1.23	87.87
50 to 55	347	228	1.52	65.71	119	.79	34.29
55 to 60	247	160	1.07	64.78	87	.58	35.22
60 to 65	211	157	1.05	74.41	64	.43	30.38
65 to 70	125	92	.61	73.60	33	.22	26.40
70 to 75	83	69	.46	83.13	14	.09	16.87
75 to 80	12	11	.07	91.67	1	.01	8.33
80 and over	6	6	.04	100.00			
Unknown ages	190	76	.51	40.00	114	.78	60.00
Under 15.	25	i — — — — — — — — — — — — — — — — — — —			25	.17	100,00
15 to 20	5,424	352	2.35	6.49	5,072	33.81	Sec.
20 to 25	11,601	5,840	38.93	50.34	5,761	88.40	

#### PERSONS MARRIED UNDER TWENTY-ONE YEARS OF AGE.

In 1884 there were 924 males and 6,620 females married under the age of twenty-one years; in all 7,544, or 547 less than during the year 1883.

There has been with few exceptions, a gradual increase each year in the number of persons married under 21 years of age, but the proportion of such persons to the whole number married has shown a steady decrease.

The following tabular exhibit shows the percentage of all persons married under twenty-one to the whole number married, the percentage of males married under twenty-one to the whole number of males married at all ages, and the percentage of females married under twenty-one to the whole number of females married at all ages:

Years.	Total.	Males.	Females.
1877	27.70	6.80	48.60
1878	28.21	7.40	49.01
1879	26.88	6.74	47.01
1880	26.10	6,40	45.80
1881	25.14	<b>6.30</b>	43.98
1882	24.45	6.23	42.68
1883	24.64	5.93	43.35
1884	25.14	6.16	44.13
Average	26.03	6.49	45.57

In order that persons may legally marry, one of the requisites is that males must have attained the full age of eighteen years and females the full age of sixteen years.

The returns show this provision of the law to have been violated in 129 cases, as follows: five males were married at the age of 17 and one at the age of 16; 98 females were married at the age of 15, twenty at the age of 14, and five at the age of 13.

The marriages of females at the age of 13 were returned from the counties of Alpena, Ionia, Missaukee, Muskegon, and Van Buren.

The penalty for solemnizing such marriages is very severe, and if the law were enforced in a few instances there would be fewer violations of it to record.

#### MANNER OF UNION BY AGES.

The last two columns and the two lines at the bottom of Table 42, show the number and proportion of males and females married at each period of age in Michigan, during the year 1884.

Reading across the table, commencing with the first line, it will be seen that 352 males, 2.10 per cent of the whole number married, were under the age of 20 years; that they married 274 females under 20 years of age, 65 aged from 20 to 25, 8 aged from 25 to 30, 2 aged from 30 to 35, 1 aged from 35 to 40, and two whose ages were not returned, and so on down the table.

Reading by columns it will be seen that 5,097 females, or 33.98 per cent of the whole number, were married under the age of 20 years, that they married 274 males under 20 years of age, 2,949 aged from 20 to 25, 1,381 aged from 25 to 30, 334 aged from 30 to 35, etc., and in the same manner for each column across the table.

The period at which the greatest number of marriages occurred, was from 20 to 25. This has been the case for many years both for males and females, and while the proportion of males remains about the same, the proportion of females married at these ages is constantly increasing.

Among the marriages which are remarkable on account of the difference between the ages of the persons married, the following may be given:

A groom of 73 to a bride of 17 in Allegan county; a groom of 72 to a bride of 24 in Kent county; and a groom 89 years of age to a bride of 63 in Newaygo county. On the other hand we find that in Van Buren county a groom 28 years of age was married to a bride of 59, and in Monroe county a groom of 27 married a bride of 54.

These are but a few of many remarkable cases, the rest may be seen by an examination of Table 42.

Table 48 shows the number and proportion of marriages for each county in the State.

**TABLE** 41.—Exhibiting, for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Married in Michigan during the Year 1884.

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Marriages at Different Ages, Stated in Periods of Years,			.82 ot 02	11,601	5,840	5,761	1-	œ	135	114	絽	3	83	21	į-	8	6.	t-	98	٤
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TABLE 41.—CONTINUED.—Marriages by Counties, Nativity, and Periods of Age.

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	3	:	3	}	1		•		:	-	Females .	28	28	**	8	9					- :	:		:	92
Midland	92	3	=		•						Males	<b>63</b>	83	%	12	93		 				:		;	_
	2		:	:	•		<u> </u>				Females.	88	88	ۍ. -	<del>•</del>		80	 -~:				:		-;	
Missemboo	ñ	ać	- or		-						Males	_	-	80	-	-				<b>-</b>				_ <u>:</u>	÷
	•	•	•	•	•			<u></u>		:	Females.	<b>20</b>	4	:	_ <u>;</u>	-		- <del>!</del>	<del>-</del>		:		-	:	1
Monroe	978	3.6	<u>e</u>	8	8	c	-	_		-	, Males	9	3	98	7	6	1 1	71			<b>65</b>	03	÷	:	4
				3	}	•	•			·	Females.	116	88	8	18	=	-		63			_			8
Montrelin	. 196:	5	9	3	8						Males	15	100	8	88	16	8				93		:	+	:
A CHARACTER STATE OF THE STATE	Ì	:	Ŀ	l	}		:	-	:	-	Femalos.	121	3	_ <b>25</b>	G	=	<u>.</u>		- R	-		:	_;	-	65

Muskeçon.         36         17         18         34         37         1         1         2         Males.         2         11         1         2         1         1         1         2         2         1         1         1         2         2         1         1         1         2         2         1         1         1         2         2         1         1         1         2         2         1         1         1         2         2         1         1         1         2         2         1         1         1         2         3         4         2         1         1         2         3         4         2         1	;	_		-	-		_		-		Males .	:	<u>:</u>		-	-	Ī	<u>+</u>	÷	+	1	1	÷	<u>:</u>
157   183   34   37   1   1   2   Pernalee   115   151   14   29   14   7   4   2   2   2   1   1   2   Pernalee   115   151   14   29   14   7   4   7   4   1   1   1   1   1   1   1   1   1	Montmorency	*	_		-	N	Ī	:		<u>!</u>	Female	;	- 2					<u> </u>	<del>:</del>	:		Ì	i	<del>-                                    </del>
157   161   14   27   6   1   1   2   Females   112   151   74   25   14   7   4   5   1   1   1   1   1   1   1   1   1			-								(Males					8	=	-			-	93		:
157   167   14   27   6	Muskegon	380	22	<u> </u>	<u>₹</u>	33	-		-	** :	Female				88	7	t-	4	[	5			i	-
157   107   14   27   6	1										( Males				22	-	ro.	93	03	1	- :	-	<u>-</u>	
10   69   10   15   14   14   1   1   1	1 Newaygo	157	<u>5</u>	<b>±</b>	ķī	•		-	<u>:</u> -	es :	Femal	;		<b>1</b>	<b>6</b>	10	က	<del>,</del>		-	-	<u> </u>	Ť	<del></del>
10   69   10   15   14   1   1   1						;					Males	-	81			16	7	03		8	8	03	=	
10   99   10   15   14   14   1   1   1   1   1   1   1	Oakland	8	217	35		N		i	<u> </u>	**************************************	Femal					•	<b>9</b> 0	93	8	1 1	80		i	<del>-</del>
10   55   10   11   14   1   1   1   1   1   1   1		:		9				•		•	( Males	:				6	-	-		62	- :	-	i	<u>:</u>
15   16   17   3   1   1   1   1   1   1   1   1   1	Oceana	2	3	2	9	<u>.</u>		<del>-</del>	-	- :	Femal					<b>∞</b>	8	65	.: ex	- :	-	-	÷	<u>:</u>
15   15   16   18   19   19   19   19   19   19   19		,	-		_	•	•				Males		1 8		_	-	:	-	- <u>:</u>	-			÷	:
13  56	Ogemaw	ß	30	<u>.</u>		<b>7</b>	-		<u>!</u>	<u>:</u> :	Femal								<del>:</del>			1	i	
131   56   45   14   14   1		;	•	•	•	•					Males.	:	1 5		63		-	i		-		1	i	<u>:</u>
131   56   45   14   14   1   1   1	Ontonagon	9	٥	-	•	×0	Ī	i	<u>:</u>  -	1	Femal	<b>8</b> 6	-	_	-		1	<u> </u>	<del>:</del>	-			i	
13   26   45   14   14   1   1   2   4   18   7   8   8   1   1   1   1   1   1   1   1	,	Ş		:	;	;	•				Males		20			<b>®</b>	9	æ				-	i	<u>:</u>
838 145 107 47 34 8 2	Osceola	19	8	3	<u> </u>	<b>*</b>	-	<del>-</del>	<u>:</u> :	- :	Femal					80	æ	i	$\frac{\cdot}{\cdot}$	<u>:</u>			÷	<del>-</del>
31   16   4   8   2   1	,	•	•		•	•					( Males	_	.63	*		-		i	:	+			i	<u>:</u>
31   16   4   8   2   1   1   1   1   1   1   1   1   1	Oscoda	<b>20</b>	•	Ī	<b>-</b>	N2		<del>i</del>	<u>:</u>	<u> </u>	Femal							÷	<u>:</u> :				i	<u> </u>
38   145   107   47   34   3   Females.   15   10   1   1   1   1   1   1   1   1	Č	ä	;	•	•	•		•			( Males	<u> </u>			-	-		<del>∞</del>		-			i	<u>:</u>
38         (Males         16         10         37         16         9         10         7         2         2           37         2         25         8         2         8         2         1	Otsego	<del>7</del> 0	9	*	<b>1</b> 0	N2		<del>-</del>	<u>:</u> :	-	Femal					-	-		<del>:</del>	:			i	
37         2         26         8         8         2         7         4         7         2         8         8           10         4         1         3         2         4         3         3         1		8		Ş	ŧ	. 6					Males					91	6	2			60	4	i	<del>.</del>
37         2         25         8         2         1         1         10         4         2         1	Ottawa	<b>8</b>	3	<u> </u>	·	\$		<del>:-</del>	<u>:</u> :	: :	Femal				12	-	*	-			_	-	Ť	:
10 4 1 3 2	7	8	•	8	•	•					Males	:	1 17		*	63	-		+	-		-	÷	-
10 4 1 3 2 106 118 68	Fresque 1816	5	4	3	<b>-</b>	2		<del>i</del>	<u>-</u>	<u> </u>	Femal			_		-		-	<u>:</u> :	+	_ ; -		÷	
574 222 166 118 68 (Females. 14 206 199 88 27 12 12 7 (Females. 182 228 90 31 19 4 4 5	c	Ş	•	•	•	c	_				(Males	<u> </u>	<del>*</del>	80			-	<del>-</del>	<u>:</u> ;	+	- ‡-		Ť	-
574 222 166 118 68 (Males 14 205 199 88 27 12 12 7 7 Females. 188 266 90 31 19 4 4 6	Koecommon	3	*	-	•	· _	-	<u>-</u>		<u> </u>	Femal					;	-	<del>:</del>		+			İ	<u>.</u>
014 22 100 110 00 31 19 4 4		i	8	901	9	8					Males.					ž	23	23		*	-	_	<del>-</del>	
	Oug III w	* 5	1	8		8			_	-	Femal	_				19	4	•	9	-		-	-	_

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Periods
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Nativity, and Periods of Age.
by Counties.
Z
.—CONTINUED.—Marriages
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41.—
TABLE 41.
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	-18]{	Nat	ivity	jo	rsons Co	Marı uples.	Persons Married, 1884, Couples.	ž	Stated by	<u> </u>		Z	Marriages at	es at 1	Jiffer	Different Ages, Stated in	98. St	ated	급 B	Periods	ö	Years,	, 1884.	z <del>i</del>
	səldno	.nro	.плос	-8N ,	-8N ,8s	Per Unki	Females Unknown.	Unki	Males Unknown.	· · · · ·	S.													
Countles.	or Co	ц-əл	դ-ա <u>ծ</u> լ	.89[88.	emale ea.	Ma	Males.	Ferr	Females.	LMOU	Stated.	•								- ,-				
	Number o	Both Vati	Both Fore	Poreign P	Moreign Fo	Native.	Foreign.	Native.	Foreign.	Both Unk		Under 20	.82 ot 0£	.08 or 32	36 ot 06	.0½ or 38	40 to 45.	45 to 50.	50 to 55. 55 to 60.	.60 to 65.	.07 04 38	.ar os or	.08 ot 87.	o bas 08 awonalaU
	:	8	:		8	!	<u> </u>	-			Males	1	दि	*	13	80	60	<del>  :</del>	<del>                                     </del>	-	1 1			
	<u> </u>	8	 	<b></b>	ß		<u>!</u>			;	Females	\$	78	25	7	г	_					i	:	-:
•	:	,	-	c	•		_				( Males		80	9	+	-	-		<u>:</u>			1	-	
lcraft	2	<b>x</b>	-	0	-				-	:	Females.	-	1-	7			-	<del>-</del>	<u>:</u>		:	:	- ;	
			;	;	!						( Males	60	81	74	67	-	က	~	;		-	_	:	<u>:</u>
/ <b>B886</b>	57.	2	=	£	7			<u>!</u>		:	Females.	89	æ	18	9	65	9		-:	-	<u>:</u>	:	- :	_ <u>:</u>
•		-		i	ş		•				( Males	9	153	133	88	83	90	6	-2	25	*	-	- 1	<u>;</u>
Mr	# #	<u> </u>	<u> </u>	=	ğ	N	<b>*</b>	<u> </u>	-	-	Females	131	188	\$	22	18	<b>x</b> 0	*	 63				-	
•		į	_;	:	•					•	Males	89	115	22	88	19	81	•	<del>-</del>	*	_:	က		
100cph	<u> </u>	3	=	<u> </u>	2	_	:	<u>!</u>		-	Females	8	105	\$	83	13	ĸ	က	- 03 - 04	63	-	:	:	:
•		:	á	ŧ	è						( Males	•	8	8	88	Ξ	01	2	-: - 82	• • • • • • • • • • • • • • • • • • •		:	-	<del>-</del>
Wecola.	<u> </u>	å	Š.	5	ક	<u> </u>		<b>-</b>		ī	Females.	88	28	83	•	<b>«</b> 0	9	_		- 7	_	-	- ;	<u>:</u>
ć	ş	ê	ŧ	9	3						Малев	10	108	8	88	18	2	9	<del>.</del>		65	8	i	_ <u>:</u>
van Buren	3		-	2	0		<u> </u>	<u>:</u>	:	-	Females	104	<b>38</b>	83	9	4	20	9		7		-	٦.	$\stackrel{:}{-}$
	Ş			5	8	•		-			Males	7	===	90	3	18	12	6	<del>~</del>			-		
Washtenaw	<b>§</b>	, R	<del></del>	Ŧ	3	.5	<u> </u>	-		;	Females	22	14	25	15	16	•	*	<u>:</u>	<del>-</del>		i		<del>-</del>
Ä	3	3	3	ş	2					-	( Males	83	577	<b>8</b>	98	1	7	<del>"</del>	- FE	2 2	<b>«</b>	*	:	
wayne	<u> </u>	Š	Š	Ş	741	e 	<u> </u>	•		<b>D</b>	Females	222	100	8	<b>8</b> 8	44	88	91	-	9	_	:	-	:
		;	- 5	:	9						Males	80	88	7	21	9	63	8	<u>;</u>	*			-	-:
Wexford	e -	\$	R	=	13	-		-		:	/ Warmalos	77	8	71	0	ŀ	_	_	_	_				_

TABLE 42.—Exhibiting the Number of each Sex, at each Period of Age, Married in Michigan during the Year 1884, and the Per Cent of Brides and of Bridegrooms at each Period of Age to Total at all Ages.

					Ages	of F	ema	les,	1884.							11 -	мшо
Ages of Males, 1884.	Under 20.	20 to 25.	25 to 80.	80 to 35.	85 to 40,	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80,	80 and over.	Unknown,	Total Males.	Per Cent of Grooms at each Age.
Under 20	274	65	8	2	1							****			2	352	2.35
20 to 25	2,949	2,488	345	26	11	1	2								18	5,840	38.98
25 to 30	1,381	2,183	873	143	38	5	2	1	1						12	4,639	30,92
30 to 35	334	669	430	203	62	22	2								7	1,729	11.58
35 to 40	106	223	213	126	104	46	8	3	2						6	837	5,58
40 to 45	33	74	113	89	76	74	24	9	1	1					2	496	3.31
45 to 50	11	33	42	54	64	54	38	10	3	1						310	2.07
50 to 55	4	14	24	30	41	48	31	24	6	6					****	228	1.52
55 to 60		5	5	14	27	30	33	16	18	8	3	1				160	1.07
60 to 65	1	2	9	13	12	20	29	30	18	18	3	2				157	1.05
65 to 70			2	4	5	7	12	18	17	15	10	2				92	.61
70 to 75	1	1	D	1	5	3	4	5	18	11	15	4	1			69	.46
75 to 80								3	3		2	3				11	.07
80 and over										4		2				6	.04
Unknown	3	4	2		*****	****			****			****	****		67	76	.51
Total Females	5,097	5,761	2,066	705	446	310	185	119	87	64	33	14	1		114	15,002	
Per cent of Brides at each age	33,98	38,40	13.77	4.70	2.97	2.07	1.23	,79	.58	.43	.22	.00	.01		.76		100.00

TABLE 48.—Exhibiting, by Counties, the Number of Marriages in Michigan for the Years 1882, 1883, and 1884; the Number as first returned, and the Number returned since Compilation for the Years 1882 and 1883; the Number of Inhabitants in 1884, and the Per Cent of Marriages in 1884 to Population in 1884.

	:		7	farriage				<u> </u>	茎	¥
	-	1882.			1863.		1884.	eprese 4.	## E	⊆ E±
State and Counties.	Number as first Re- turned and Com- piled.	Number Returned after Compl- lation,	Number Returned Previous to No- vember II, 1886.	Number as first Re- turned and Com- piled,	Number Returned since first Compl- lation,	Number Returned Previous to No- vember II, IMS.	Number Returned.	Population, 1884, Represented by Marriages in 1884.	Number of Inhabitants in 1884, to one Marriage in 1884,	Per Cont of Marriages in 1884, to Population in 1884,
State	16,178	618	16,796	16,420	559	16,979	15,002	1,853,656	124	.61
Alcona	*		2	32		32	19	4,023	212	.67
Allegan	397	4	401	34	<b></b>	384	331	38,666	117	.86
Alpena	113	2	113	148	1	149	93	12,663	136	.73
Antrim	62	1	63	73	4	79	::	8,761	114	.88
Arenac	•		• · · · · · •	14		14	<b>3</b> 0	4.027	201	.50
Baraça	12	3	17	10		19	17	3,089	179	.56
Barry	136	1	20	377	5	<b>=1</b> =	196	24,102	124	.81
Bay	33%	3)	356	352	14	306	343	51.≅1	149	.67
Beazie	31		31	31		31	3	4.30	175	.57
Berriea	346	24	570	بنذ	1	333	222	37.778	706	1.6
Branch	۲.	:	325	32	'n	<b>a</b> :	2::	27.661	12.	.78
Calbour	આ	19	<b>%</b> :	225	:>	346	364	41,585	114	.84
Cass	:₩	3	194	203		ü£	**	21,36	93	1.08
Charle rotz	?:	:	73	*	:	*	5.7	9.275	163	.61
Chebe yean	30	3.	70	**		**	74	÷'i+10	134	.74
Childran	€,		K:	×		2	54	%422	1.2	.76
Clare	À'	:	N.	32	:	.2	¢,	2.245	113	.88
Cinates	<b>3</b> ):	-	<b>4</b> ':	36		2.0	:%	£.135	141	.69
೧೫೬ನಿಂದ	14		1.4	2.		2.	.•	2.80	126	.50
Delta	Ħ	•	:.	1.33		1.33	4	2,992	15	.80
Estoa	200	•	AL	:֥	÷	25	\$7	£.32	134	.73
Emer			>	**	:	×	Z	7.944	139	.72
Genere	306	*	353	225	\$	***	26	26,776	132	.76
Gistria	•	;	• 1	4		4	23	1,530	115	.94
Grand Traverse		!			₹.	**		12,002	173	.58
Oratios								5.00	100	,68
								<u>:</u>		

TABLE 43.—CONTINUED.—Marriages, Corrected by Counties.

			N	Iarriage	18.			Represented 1884.	1884	1884
	0.000	1882.			1880.		1884.	eprese 84.	1884.	2 7. H
Counties.	Number as first Re- turned and Com- plied,	Number Returned since first Compl- lation.	Number Returned Previous to No- vember II, 1885.	Number as first Re- turned and Com- piled.	Number Returned since first Compi- lation.	Number Returned Previous to No- vember 11, 1885.	Number Returned.	Population, 1884, R. by Marriages in 18	Number of Inhabitants in to one Marriage in 1884.	Per Cent of Marriages to Population in 1884.
Hillsdale	413	7	420	377	15	392	351	31,686	90	1.1
Houghton	218		218	221		221	237	26,146	110	.9
Huron	114		114	155	3	158	129	24,521	190	.5
Ingham	313	19	332	24	61	845	264	34,939	132	.7
Ionia	275	4	279	312	8	320	269	32,559	121	.8
losco	71	ļ	71	85	26	111	98	10,602	108	.9
Isabella	96	1	97	126	2	128	110	16,011	145	.0
Jackson	364	41	405	456	1	457	390	45,232	116	.8
Kalamazoo	297	62	359	   <b>288</b>	53	341	283	85,281	125	.8
Kalkaska	32	4	86	21		21	26	4,493	173	.5
Kent	922	17	939	881	82	963	725	84,000	117	.8
Keweenaw	28	İ	28	31	1	32	21	4,667	222	.4
Lake	37		37	33		33	37	7,539	204	.4
Lapeer	227	9	236	262	17	279	220	30,057	187	.7
Leelanaw	43		43	48		48	62	7,128	115	.8
Lenawee	504	48	552	475	12	487	461	49,584	108	.9
Livingston	175		175	156	3	159	136	21,568	159	.0
Mackinac	25		25	34		34	23	5,171	225	.4
Macomb	248	1	248	252		252	223	31,293	140	.7
Manistee	196	!	196	270	3	273	201	19,875	99	1.0
Manitou	7		7	3	1	3	3	1,198	399	2.5
Marquette	315	10	325	207	4	271	169	81,897	186	.5
Mason	111	İ	111	144	Í	144	118	13,221	112	.8
Mecosta	192	31	223	231	1	2:2	179	20,597	115	.8
Menominee	189		189	161	8	169	155	19,120	123	.8
Midland	55	2	57	88	2	. 90	79	8,776	111	.9
Missaukee	1 15		15	12	1	13	15	3,386	226	.4
Monroe	849	18	367	387	4	391	342	33,363	98	1.0
Montcalm	346	1	347	356	2	358	286	35,356	124	.8
Montmorency	8	11	14	; 1		1	4	845	211	.4
Muskegon	870	l	370	387		387	395	87,554	95	1.0
Newaygo	188		138	173		173	157	18,996	121	.8
Oakland	309	15	324	315	9	324	290	41,100	142	.7

# VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 43.—CONTINUED.—Marriages, Corrected by Counties.

			3	farriag	88.		i	ented	1884	1864
		1882.		1	1883.		1884.	f.	148 In	884.
Counties.	Number as first Re- turned and Com- piled,	Number Returned since first Compi- lation.	Number Returned Previous to November 11, 1885.	Number as first Re- turned and Com- piled,	Number Returned since first Compi- lation.	Number Returned Previous to No- vember II, 1885.	Number Returned,	Population, 1884, Represented by Marriages in 1884.	Number of Inhahitants in to one Marriage in 1884.	Per Cent of Marriages in to Population in 1884.
Oceana	106		106	129		129	110	14,519	132	.76
Ogemaw	13		13	21		21	25	3,687	145	.69
Ontonagon	17		17	17		17	15	4,836	322	.81
Osceola	145	5	150	142	10	152	131	14,001	107	.94
Oscoda	6		6	13		13	8	1,874	172	.58
Otsego	25	. 1	26	23	1	24	31	3,906	126	.79
Ottawa	373	l	373	350	3	353	336	36,225	108	.93
Presque Isle	31		31	21	1	90	37	4,064	110	.91
Roscommon	8	ļ	8	17		17	10	2,588	250	.30
Saginaw	604	26	630	629	56	685	574	74,795	130	
Sanilac	201	11	212	190	1	191	153	29,583	193	.52
Schoolcraft	19	ļ	19	25	1	25	19	3,846	202	.49
Shiawassee	197	5	202	223	5	228	176	28,078	160	.63
St. Clair	422	17	439	377	20	397	394	46,783	119	.84
St. Joseph	328	i 10	336	339	6	345	290	26,277	91	1.10
Tuscola	257	15	272	241	12	253	230	30,726	134	.75
Van Buren	287	3	290	281	1	282	250	30,341	121	.82
Washtenaw	384	28	412	333	12	345	320	41,694	130	.77
Wayne	1,576	74	1,650	1,561	37	1,598	1,494	188,966	126	.79
Wexford	106		106	75	1	76	118	10,518	89	1.12

## DEATHS, 1884.

The total number of deaths reported in Michigan, in 1884, was 18,056, an increase of 1,150 over the number returned in 1883, and an increase of 3,478 over the average annual number for the ten years 1874–1883. Although the number of deaths returned would be greater with an increase in the population, it is probable that the registration of deaths for 1884 is more correct than for any year since 1881.

The death-rate in Michigan for 1884 per 1,000 of living population, according to the census of 1884, was 9.77. This corresponds very nearly with the death-rate for 1880, which was about ten in every thousand.

It is a well known fact to all who are familiar with the subject of vital statistics, that it is impossible to collect full and complete returns of births and deaths at the end of the year, or a few months after the end of the year, as in Michigan, for which the data are desired. As long as the present registration laws are in force in this State we cannot expect full returns. An attempt has been made in this and previous reports to calculate the amount of deficiency in the returns of births and deaths. According to this system of correction, the returns of deaths for 1884 should be increased by 39.19 per cent in order to equal the number which probably occurred. This correction would make the whole number of deaths for 1884, 25,133 and the death-rate 13.59 to each thousand living. Even this ratio is undoubtedly too small, as in States whose systems of registration are fairly satisfactory, being based on burial certificates, the death-rates are as high as 18 or 20 in a thousand, and the mortality rate of the United States for the census year 1880 was 18 per 1,000.

The following tabular statement shows the death-rate in Michigan, both as regards the number of deaths returned, and the number as corrected for omissions in the enumeration.

	Inhabitants in		Deaths Corrected	Per Cent of Deat	ths to Inhabitants.
	1884 represented by Deaths in 1884.	Deaths as Returned.	for Omissions in Enumerating.	Deaths as Returned.	Deaths Corrected for Omissions.
Total	1,848,898	18,054	25,133	.98	1.86

The average number of deaths during each of certain specified periods of time in 1884, including those in unknown month, was as follows:

Periods of time.	Deaths as Returned.	Corrected for Omissions.
Per quarter	4,514	6,283
_	1,505	
week	847	483
dav	49	

The following table shows the influence of the seasons upon the mortality in Michigan for the years 1832, 1883, 1884, and the average for ten years 1874–1883. The largest proportion is shown for the quarter ending with September, the smallest for the quarter ending with March. This has been true for most years thus far compiled, the only exceptions being for the years 1878 and 1882, in each of which the last quarter of the year had the largest proportion of deaths.

When the returns of deaths are corrected for omissions, as seen in the lower part of table 44, the third quarter has the largest percentage for each year and the average, except 1882.

TABLE 44.—Deaths in Michigan by Quarters of the Year, exhibiting the Number and Per Cent of Total as Returned and as Corrected for the Years 1882-1884, and the Average for Ten Years 1874-1883.

TT.	otals, and Months with which	18	82.	18	83.	18	84.	Av. for 1 1874	
1,	Quarters end.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber,	Per Cent of Total,	Num- ber.	Per Cent of Total.
То	tals	16,425	100.00	16,906	100.00	18,056	100.00	14,583	100.00
	March	3,521	21.44	8,574	21.14	8,689	20.43	2,901	19.89
z.	June	4,055	24.69	4,184	24.75	4,104	22.73	3,338	22.89
As Returned.	September	4,282	26.07	4,703	27.82	5,314	29.43	4,328	29.68
Æ	December	4,489	27.33	4,396	26.00	4,893	27.10	3,966	27.90
	Unknown	78	.47	49	.29	56	.31	50	.34
Av	verage •	4,106	25.00	4,227	25.00	4,514	25.00	3,648	25.00
То	tals	27,306	100.00	23,640	100.00	25,133	100.00	21,814	====== 
	March	6,951	25.46	5,660	23.94	5,836	23.22	5,039	23.10
	June	7,242	26.52	6,158	28.05	6,030	23.99	5,338	24.47
	September	6,787	24.86	6,352	26.87	7,166	28.51	6,240	28.61
As Corrected for Omissions.	December	6,248	22.88	5,421	22.93	6,045	24.05	5,147	23.59
-	Unknown	78	.28	49	.21	56	.23	50	_23
Av	'erage	6,827	25.00	5,910	25.00	6,283	25.00	5,454	25.00

Including deaths in unknown month.

#### SEX OF DECEDENTS.

Table 46 shows the number and proportion of males and females among the decedents in Michigan for the years 1871 to 1884 inclusive, and the average for these years. In 1884 the deaths of males exceeded the deaths of females by 1,204, or in the proportion of 114 males to 100 females. This disparity almost entirely disappears when the rate of mortality to each thousand inhabitants is considered. The mortality-rate of males, the number of deaths to each thousand living in 1884, was 9.87; that to each thousand of females was 9.56. Based on the census of 1880, the death-rate in 1883 among males was 10.58 per 1,000, and that of females was 10.02; in 1882 the rates were 10.13 and 9.92, respectively; in 1881 they were 12.02 and 11.60; and in 1880 they were 10 and 9.62.

TABLE 48.—Number and Per Cent of Deaths of Males and of Females returned in Michigan for the Year 1871-1884. (Unknown sex excluded.)

	Males, as	emales,	ales to of Fe-	Per Cer	nt of each	Sex to Sexes.	Total of
Years.	Returned.	ths of Females, Returned.	hs of Males Deaths of les.	Males.	Females.	Excess of	the Sexes,
	Death Retu	Deaths as Ret	Deaths 100 D males,			Males.	Females,
1871	5,190	4,503	115.3	53.54	46.46	7.08	
1872	7,182	6,162	116.6	53.82	46.18	7.64	
1873	7,651	6,590	116.1	53.78	46,27	7.46	
1874	6,665	5,804	114.8	53.45	46.55	6.90	
1875	6,448	5,484	117.6	54.04	45.96	8,08	
1876	6,756	5,761	117.3	53.97	46.03	7.94	
1877	6,827	6,040	113.0	53.06	46.94	6.12	
1878	6,632	6,082	109.0	52.16	47.84	4.32	
1879	7,522	6,848	109.8	52,34	47.66	4.68	
1880	8,645	7,410	116.7	53.85	46.15	7.70	
1881	10,263	8,910	115.2	53.53	46.47	7.06	
1882	8,713	7,664	113.7	53.20	46.80	6.40	
1883	9,101	7,748	117.5	54.02	45,98	8.04	
1884	9,589	8,385	114.4	53,35	46,65	6.70	
Average	7,656	6,671	114.8	53,43	46.57	6.86	

### OMISSIONS IN THE ENUMERATION OF DEATHS.

The method of correcting the returns of deaths for omissions in the enumeration has been fully explained in preceding reports. Table 47 represents the months in order, after the above corrections have been made, for each of the years 1882, 1883, 1884, and the average for ten years 1874-1883. Because of the unequal omissions of deaths by months, the order of the months is not the same as appears in Table 45.

TABLE 47.—Exhibiting, by Months, the Number and Per Cent of Deaths, as corrected for Omissions in the Enumeration, for the Years 1882-1884, and the Average for Ten Years—1874-1883; Months arranged in Order by Number, greatest first.

		1882.			1883.			1884.			ge for 10 1874-1883	
	Months.	Number.	Per Cent of Total.	Months,	Number.	Per Cent of Total.	Months,	Number.	Per Cent of Total.	Months.	Number.	Per Cent of Total.
Order.	Total	27,306	100.00	Total .	23,640	100.00	Total .	25,133	100.00	Total .	21,814	100.00
1	May	2,642	9.68	April	2,263	9.57	Aug	2,590	10.30	Aug.	2,269	10.40
2	March.	2,629	9.68	Aug.	2,232	9.44	Sept	2,463	9.80	Sept.	2,156	9.88
3	April	2,426	8,88	Mar	2,127	9.00	Oct	2,231	8.88	April.	1,940	8,89
4	Sept	2,354	8.62	Sept	2,118	8.96	Mar	2,199	8.75	Mar	1,894	8.68
5	Feb	2,320	8.50	May	2,101	8,89	May	2,138	8,51	May	1,850	8,48
6	Aug	2,309	8.46	July	2,002	8.47	July	2,113	8.41	July	1,815	8.32
7	Oct	2,185	8.00	Dec	1,911	8.08	April	2,083	8.29	Oct	1,810	8.30
8	June	2,174	7.96	Feb	1,798	7.61	Dec	1,930	7.68	Dec	1,738	7.97
9	July	2,124	7.78	June_	1,794	7.59	Nov	1,884	7.49	Feb	1,634	7.49
10	Dec	2,084	7.63	Oct	1,785	7.55	Feb	1,871	- 7.44	Nov.	1,599	7.83
11	Jan	2,002	7.83	Jan	1,735	7.34	June	1,809	7.20	June	1,548	7.10
12	Nov	1,979	7.25	Nov	1,725	7.29	Jan	1,766	7.03	Jan	1,511	6.93
	Unk	78	.28	Unk.	49	.21	Unk	56	.22	Unk	50	.23
400	Av.a	2,276	8.33	Av	1,970	8.33	Av.a	2,094	8.83	Av.a	1,818	8.33

<sup>\*</sup> Including deaths in unknown month.

## AGES OF PERSONS WHO DIED IN MICHIGAN IN 1884.

Some of the interesting relations of age and sex to mortality may be seen in Tables 48 and 49. It will be observed that of the deaths of males, in 1884, more than a quarter (28.71 per cent) were those of children under one year of age, and that 41.28 per cent were those of children under five years of age. Among the females, the figures are considerably less than those of males at ages under one and under five. It is thus seen that in infancy and childhood the deaths of males largely exceed those of females, which corresponds to the excess of males among the births. Between the ages of twenty and thirty, however, the deaths of females exceeded those of males by 2.11 per cent.

e deaths returned in 1884, those of children under one year of age comthan a quarter or 27.22 per cent, and those of children under five years of 1 40.05 per cent. This shows very plainly the large number of deaths occur among infants and young children.

how the year 1884 compares with the previous eleven years concernof age to mortality. The most marked contrast appears for the perunder one year of age, it being greater in 1884 than for any year since

TABLE 48.—Exhibiting, by Sex and by Age in Periods of Years, the Number and Proportion of Persons returned as having died in Michigan during the Year 1884: also, the Excess of Persons of each Sex.

	Num	ber of 188		hs,	at e	t. of D ach As tal at Ages.	ze to	TCT	Cent o Total Sex	of Bo	h Sex	Exce the b Num	Males	
Ages in Years	1						İ			Exc	ess.	İ		to   100
and Periods.	Total.	Males.	Fe- males.	Unk	Total.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.	Females.
All ages	18,056	9,589	8,385	82	100.00	100.00	100.00	53.35	46.65	6.70		1,204		114.26
Under 1	4,914	2,753	2,084	77	27.22	28.71	24.85	56.92	43.08	18.84		669		132.10
1 to 2	1,072	563	509	 	5.94	5.87	6.07	52.52	47.48	5.04		54		110.61
2 to 3	567	298	268	1	3.14	3.11	3.20	52.65	47.35	5.30		80		111.19
3 to 4	386	195	191	: 	2.14	2.04	2.28	50,52	49.48	1.04		4		102.09
4 to 5	293	149	144		1.62	1.55	1.72	50.85	49.15	1.70		5	<b> </b>	103.47
Under 5	7,232	3,958	3,196	78	40.03	41.28	38.12	55.33	44.67	10.66		762	 	123.84
5 to 10	1,007	493	514	!	5.58	5.14	6.13	48.96	51.04		2.08	<b> </b>	21	95.91
10 to 15	541	260	281	i 	3.00	2.71	3.35	48.06	51.94	! !	2.88		21	92,53
15 to 20	682	308	374		3.78	3.21	4.46	45.16	54.84	¦	9.68	 	66	82,35
20 to 25	880	422	458	l	4.87	4.40	5.46	47.95	52.05	! !	4.10		36	92.14
25 to 30	759	358	401	İ	4.20	3.73	4.78	47.17	52.83		5.66		43	89,28
30 to 35	578	280	298	ļ	3.20	2.92	3.55	48.44	51.56	 	3.12	ļ 	18	93.96
35 to 40	564	281	233		3.12	2.93	3.38	49.82	50.18		.36		2	99,29
40 to 45	569	297	272	İ	3.15	3.10	3.24	52.20	47.80	4.40		25		109.19
45 to 50	464	238	226		2.57	2.48	2.70	51.29	48.71	2.58		12		105.31
50 to 55	516	283	233		2.86	2.95	2.78	54.84	45.16	9.68		50		121.46
მნ to 60	540	293	247		2,99	3.06	2.95	54.26	45.74	8.52		46	 	118.62
<b>60</b> to 65	670	384	286		3.71	4.00	3.41	57.31	42.69	14.62	 	98		134.27
<b>65</b> to 70	679	391	288	! 	3.76	4.08	3.43	57.58	42.42	15.16		103		135.76
70 to 75	719	425	294	 ! • • • •	3.98	4.43	3.51	59.11	40.89	18.22		131		144,56
75 to 80	617	356	261		3.42	3.71	3.11	57.70	42.30	15.40		95		136.40
80 to 85	452	261	191		2.50	2.72	2.28	57.74	42.26	15.48		70		136.64
85 to 90	204	98	106		1.13	1.02	1.26	48.04	51.96		3.92		8	92.45
90 to 95	85	35	50		.47	.37	.60	41.18	58.82		17.64		15	70.00
95 to 100	25	12	13		.14	.13	.15	48.00	52.00		4.00		1	92.31
100 and over	10		6		.06	.04	.07	40.00	60.00		20.00		2	66.67
Unknown Ages.	263	152	107	4	1.46	1.59	1.28	58.69	41.31	17.38		45		142.06

TABLE 49.—Exhibiting the Per Cent of Deaths at Different Ages, for the Years 1873–1884, and the Average for Twelve Years.

Years.	Under 1 Year.	Under 5 Years.	20 to 80.	All Others.
1878	25.00	41.87	9.89	49.24
1874	26.98	41.10	9.05	49.85
1875	27.59	41.39	8.89	. 49.72
1876	27.24	40.72	8.58	50.70
1877	26.11	40.30	8.68	51.0
1878	25.22	39.22	8.43	52.85
1879	24.68	39.52	8.23	52.25
1880	24.66	39.95	7.96	52.00
1881	24.20	40.63	9.00	50.87
1882	24.38	38.81	8.72	52.47
1883	24.83	38.26	9.37	52.87
1884	27.22	40.05	9.08	50.87
Average	25.68	40.11	8.78	51.11

### DEATHS BY MONTHS AT DIFFERENT AGES.

The influence of the season of the year upon the mortality at different periods of life may be seen in Table 50. The teaching of this table for 1884 is that, of the decedents under one year of age, the largest proportion (14.76 per cent) died in the month of August, and that the per cent of decedents under one year of age to decedents at all ages was greater (38.68) in July than in any other month of the year. Of the decedents under five years of age, the month of August has the largest proportion in both cases.

The deaths of children between the ages of five and ten years show the largest proportion for the months of October and November; of persons between the ages of ten and twenty, the largest proportion was in October; of those between the ages of twenty to fifty, the largest proportion was in November; and of those aged fifty and over, the largest proportion was in the month of December.

For 1884, then, the months of greatest mortality for children under five years of age were in the order named, August, September, and October. For adults from 20 to 50 years of age and also for those over 50, the months of greatest mortality were November and December. This corresponds very nearly with the teaching of this table for previous years, and shows that excessive heat is most fatal to infants and excessive cold to old people.

Tables 51 and 52 continue the subject of deaths by ages in detail, and permit of its study by sex of decedents by months of death.

94 **TABLE 50.—The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months: and for the same Period of Age.** 

		Year,						Months,	1884.					
	Details by Agen in Periods of Years.	1884.	Jan.	Feb.	March.	April.	May.	June,	July.	Aug.	Sept.	Oct.	Nov.	Dec.
		18,000	1,087	1,181	1,421	1,382	1,456	1,386	1,520	1,917	1,877	1,752	1,526	1,615
	Number	4,905	548	122	88	310	335	128	983	2	250	516	810	88
Ì		27.25	22.91	23.20	22.53	22.43	92.80	25.83	38.68	37.73	8F.78	3.63	20.81	83 29
	Per Cent of Deaths, 1884	100.00	20.08	5.58	6.87	8.3	6.77	6.67	38.	14.78	11.27	39.01	8.3	7.85
	Number	7,217	<b>3</b>	63	<b>8</b>	184	519	466	920	<b>3</b>	296	761	88	33
-	Per Cent of All Ages	40.09	38.38	38.33	36.06	38.2	36.65	36.81	44.08	51.50	51.52	48.4	31.78	34.80
	Per Cent of Deaths, 1884	100.00	5.32	5.94	6.90	6.76	7.19	6.46	827.6	13.70	13.40	10.55	6.72	7.79
	Mumber	1,006	96	8	84	29	E	7.4	4	28	88	112	114	90
	Per Cent of All Ages	5.58	5.52	5.8	6.12	4.85	5.29	5.85	5.07	\$	4.42	6.30	7.47	6.75
	Per Cent of Deaths, 1884	100.00	5.97	6 27	8.66	6.67	7.66	7.38	7.66	8.16	8.28	11.14	11.84	10.86
	(Number	1,221	28	22	112	106	114	88	88	108	83	821	28	92
	Per Cent of All Ages	6.78	5.15	6.10	7.88	09.1	7.88	6.56	6.45	5.63	6.50	7.81	7.88	6.38
	Per Cent of Deaths, 1884	100.00	4.59	5.80	9.17	8.60	9.34	6.80	808	8.8	8.8	10.48	88.	8.44
	Number	3,807	8	<b>7</b> 62	菱	28	333	290	314	8	811	<del>2</del>	2867	32
		21.15	21.99	<b>2</b> 2 86	. 28.50	83.	23.01	22.91	20.06	16.00	16.57	19.41	88.88	21.80
	Per Cent of Deaths, 1884	100.00	6.23	7.72	8.77	8.43	8,80	7.62	8.8	8.40	8.17	88.	9.38	83
	Number	4,504	Š	310	876	876	388	331	846	88	88	<b>8</b>	#	\$
Over	ad over Per Cent of All Ages	28.02	30.27	28.25	28.46	27.21	26.65	26.15	82.78	20.14	19.50	<b>81</b>	88.80	28.73
	Per Cent of Doaths, 1884	100.00	7.31	6.88	8.36	8.8	8.61	7.35	7.68	8.57	8.13	8.00	9.79	10.82
	Number	8 <del>7</del> 2	10	13	71	85	83	253	15	엃	88	18	<b>3</b>	2
WD 8ges	Unknown ages   Per Cent of All Ages	1.87	1.75	1.10	8;	<b>3</b> 2.	1.58	1.74	86	1.67	1.49	8	25	1.48
	Per Cent of Deaths, 1884	100.00	5.	8	8		at. 0		•	2	:		\$	2

TABLE 51.—Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons returned as having Died in Michigan during the Year, and in each Month of the Year 1884.

								Mon	ths, l	884.					
Ages in Periods of Years.	Sex.	Year, 1884.	January.	Pebruary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	[Total	18,056	1,087	1,181	1,421	1,382	1,456	1,266	1,520	1,917	1,877	1,752	1,526	1,615	56
Allegoe	Males	9,589	586	610	727	781	748	672	828	1,038	999	939	826	854	81
All ages	Females	8,385	498	567	685	645	697	586	682	1369	868	810	696	761	21
	Unknown	82	3	4	9	6	11	8	10	10	10	3	4		4
	ſ Total	4,914	249	274	337	310	832	327	588	724	653	516	310	385	9
	Males	2,753	144	153	169	175	174	175	284	422	362	303	170	220	1
Under 1	Females	2,084	102	117	159	129	148	146	195	293	281	210	136	165	1
<u> </u>	Unknown	77	3	4	9	6	10	6	9	9	10	3	4		4
	[Total	7,232	384	429	498	487	519	466	670	989	967	761	485	562	1!
All under 5	Males	3,958	203	229	261	272	271	244	380	547	541	427	268	307	8
All under 5	Females	8,196	178	196	228	209	238	216	280	433	416	331	218	255	;
	Unknown	78	3	4	9	6	10	6	10	9	10	3	4	ļ	4
	[Total	1,007	60	68	87	67	77	74	77	82	83	112	114	109	:
5 to 10	Males	493	24	35	43	83	29	41	40	42	39	63	55	49	
	Females	514	36	28	44	34	48	33	87	40	44	49	59	60	:
	[Total	541	82	33	59	42	46	40	46	53	47	51	48	43	:
10 to 15	Males	260	14	12	80	23	17	23	24	29	18	20	. 26	23	:
	Females	281	18	21	29	19	29	17	222	24	29	81	22	20	
	Total	682	24	39	53	63	68	43	52	55	75	77	72	60	1
15 to 20	Males	808	14	17	24	31	222	13	25	26	34	36	87	29	
	Females	374	10	222	29	32	46	80	27	29	41	41	35	31	1
	[Total	880	55	68	71	70	69	71	76	89	70	85	87	68	! :
20 to 25	Males	422	28	27	84	32	33	36	34	39	87	38	45	38	! :
	Females	458	27	41	37	38	36	35	42	50	33	47	42	30	
	[Total	759	50	65	63	61	75	60	67	58	56	73	62	68	:
25 to 30	Males	358	24	30	80	27	31	23	26	34	21	36	29	46	:
	Females	401	26	35	33	34	44	87	41	24	35	37	33	22	
	[Total	578	85	41	51	54	54	40	43	42	46	47	56	67	:
99 to 95	Males	280	17	19	25	27	21	24	20	20	27	27	26	27	
	Females	298	18	22	26	27	33	16	23	222	19	20	30	40	:

## VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 51.—Continued.—Deaths by Periods of Age, by Sex, by Months.

							Months, 1884.												
Ages in Periods of Years.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.					
		564	27	38	58	51	48	41	45	44	52	49	64	47					
5 to 40	Males	281	14	20	26	29	25	23	27	17	24	22	35	19					
	Females	283	18	18	82	22	23	18	18	27	28	27	29	28					
	(Total	589	50	52	46	49	58	46	45	40	42	40	51	54					
10 to 45	Males	297	29	83	24	15	85	22	29	16	16	22	27	28					
İ	Females	272	21	19	22	34	18	24	16	24	26	18	24	26					
	(Total	464	222	30	45	36	36	82	88	47	45	46	87	48					
l5 to 50	Males	238	10	16	26	15	15	16	20	29	26	20	17	27					
	Females	226	12	14	19	21	21	16	18	18	19	26	20	21					
!	(Total	516	31	35	41	49	40	35	39	45	44	50	48	57					
50 to 55	Males	283	26	18	23	28	16	16	21	24	21	29	80	30					
İ	Females	233	5	17	18	21	24	19	18	21	23	21	18	27					
i	(Total	540	52	31	46	41	44	32	48	58	39	43	64	52					
55 ta 60	Males	293	31	17	22	25	27	17	26	28	18	21	38	23					
	Females	247	21	14	24	16	17	15	17	25	21	22	26	29					
1	[Total	670	52	40	49	60	62	53	59	52	46	60	68	64					
10 to 65	Males	384	38	21	25	32	38	38	26	34	29	29 i	38	32					
	Females	286	14	19 i	24	28	<b>24</b> i	15	33	18	17	31	30	32					
	[Total	679	60	53	61	42	54	51	56	53	55	57	65	70					
5 to 70	Males	391	31	28	31	30	33	29	37	30	31	34	41	31					
	Females	288	29	25	30	12	21	22	19	23	24	23	24	36					
	Total	719	35	52	61	58	71	61	51	63	69	62	63	69					
0 to 75	Males	425	21	29	37	31	47	35	30	83	40	38	41	41					
	Females	294	14	23	24	27	24	26	21	30	29	24	22	28					
	Total	!	41	50	51	52	50	38	50	59	42	60	62	62					
5 to 80	Males	356	22	27	26	25	29	25	33	40	22	37	33	37					
	Females	261	19	23	25	27	21	13	17	19	20	23	29	25					
	Total	452	28	29	30	46	40	31	29	37	47	36	42	57					
0 to 85	Males	261	16	16	16	24	28	22	14	18	30	18	24	35					
	Females	191	12	13	14	22	12	9	15	19	17	18	18	22					
	Total	204	19	14	21	16	14	24	13	12	18	12	17	24					
is to 90	Males	98	11	6	12	6	12	11	5	4	6	7	7	11					
	Females	106	8	8	9	10		13	8	8	12	5	10	13					
	Total	85	9	4	10	8	11	3	5	10	4	5	9	7					
0 to 95	\ Males	35	2	2	4	5	3	2	3	4	2	2	2	4 :					
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Females	50	7	2	6	3	8	1.	2	6	2 ,	3	7						

## DEATHS BY AGES-BY MONTHS.

TABLE 51.—CONTINUED.—Deaths by Periods of Age, by Sex, by Months.

i								Mont	hs, 1	884.					
Periods ears.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December,	Unknown,
	Total	25	2	1	3	3	1	2	1	2	2	3	2	3	
0	Males	12	1	*****	1	2	1	1	1	1	1	2	1		
J	Females	13	1	1	2	1		1		1	1	1	1	3	
1	Total	10		1	3	1	1	1				2	1		
over	Males	4		1		1	1	1					****		
	Females	6			8							2	1		
	Total	263	19	13	14	26	23	20	15	32	28	21	9	24	17
i	Males	152	10	7	7	18	14	10	7	23	16	11	6	14	9
vn	Females	107	9	6	7	8	8	10	8	8	12	10	3	10	8
İ	Unknown	4					1	2		1					

TABLE 52.—Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1884 at each and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.

Ages in Years.  Under 1-12.  Under 1-12.  Total Males Fema Unkn  Total Males Fema Unkn  2-12.  Total Males Fema Unkn  Total Males Fema Unkn  Total Males Fema Unkn  Total Males Fema Unkn  Total Males Fema Unkn  Total Males Fema Unkn	2,009 1,199 1,199 1,199 228 1es 193 own 364 196 1es 188 365	143 85 55 3 17 10 7	148 77 67 4 23 14 9	175 91 76 8 35 18 17 18 12 6	161 94 61 6 28 14 14 12 10 12	167 86 71 10 37 27 10 31 18	154 83 65 6 20 8 12	1688 1000 61 7 444 286 166 2 438 21	2122 128 77 59 28 30 1 57 37	214 124 82 8 54 25 29	177 106 68 3 54 30 24	164 98 62 4 27 15 12	212 126 86 11 1.
Under 1-12.   Males Fema Unkn  1-12.   Total Males Fema Unkn  2-12.   Males Fema Unkn  3-12.   Total Males Fema Unkn  Total Males Fema Unkn  Total Males Fema Unkn	1,199 881 own 69 422 226 les 193 own 364 196 les 168 365	85 55 3 17 10 7 	77 67 4 23 14 9	91 76 8 35 18 17 18 12 6	94 61 6 28 14 14 22 10	86 71 10 37 27 10 31	83 65 6 20 8 12	100 61 7 44 26 16 2 43	212 128 77 59 28 80 1 57	124 82 8 54 25 29	108 68 3 54 30 24	96 62 4 27 15 12	24
Under 1-12.  Fema Unkn  1-12.  1-12.  Fema Unkn  Total Males Fema (Total Males Fema Unkn  Total Males Fema Unkn  Total Males Fema Unkn  Fema Unkn	les 881 own 69 422 226 les 193 own 364 365	55 3 17 10 7 11 6 5	67 4 23 14 9 	76 8 35 18 17 	61 6 28 14 14  22 10	71 10 37 27 10 31	65 6 20 8 12	61 7 44 26 16 2 43	77 59 28 30 1 57	82 8 54 25 29	68 3 54 30 24 48	62 4 27 15 12	24
1-12 Fema Unkn  1-12 Fema Unkn  2-12 Fema Unkn  2-12 Fema (Total Males Fema Unkn  3-12 Fema Unkn  4-12 Fema Unkn	own 69 422 226 les. 193 own 3 4 364 les. 168	3 17 10 7 11 6 5	12 7 5	8 35 18 17 18 12 6	6 28 14 14 22 10	10 37 27 10 31	6 20 8 12	7 44 26 16 2 43	7 59 28 80 1 57	8 54 25 29 55	3 54 80 24	4 27 15 12	24   11   13   23
1-12	4222 226 193 own 364 196 les 198	17 10 7 11 6 5	23 14 9 12 7 5	35 18 17 	28 14 14 22 10	37 27 10 31 18	20 8 12	26 16 2 43	59 28 30 1 57	54 25 29 55	54 30 24 48	27 15 12	24 . 11 . 13 . 23
1-12 Males Fema Unkn 2-12 State Fema 3-12 State Total Males Fema Unkn Total Males Fema Unkn Total Males Fema Unkn Total Males Fema Unkn	226 226 226 226 226 226 226 226 226 226	10 7  11 6 5	14 9 12 7 5	18 17 18 12 6	14 14 22 10	27 10 31 18	8 12	26 16 2 43	28 80 1 57	25 29 55	30 24 48	15 12	13 .
1-12   Fema Unkn 2-12   Males Fema (Total Males 3-12   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Males	les 193 own 3 364 196 les 168 365	7 11 6 5	12 7 5	17 18 12 6	14 22 10	10 31 18	12 16	16 2 43	80 1 57	29 55	24 48	12	13
2-12.   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Males   Fema Unkn   Total Unkn   Total Males   Fema Unkn   Total Unkn   Total Males   Fema Unkn   Total Unkn   Total   Total Males   Fema Unkn   Total Unkn   Total Males   Fema Unkn   Total Unkn   Total Males   Fema Unkn   Total Unkn   Total Males   Fema Unkn   Total Males   Total Ma	own 364 196 les 168 365	11 6 5 19	12 7 5	18 12 6	22 10	31	16	2 43	1 57	55	48		23
2-12   Total Males Fema   3-12   Fema Unkn   4-12   Fema Unkn   4-12   Total Males   4-13   Total Males   4-14   Total Males   4-15   Fema Unkn   4-16   Total Males   4-17   Total Males   4-18   Total Males   4-19   Total Males   4-10   Tot	364 196 les 168	6 5 19	7 5	12 6	10	18		48	57		"	26	
2-12.   Males Fema   Total   Males   Fema   Unkn   Total   Males   Fema   Unkn   Total   Males	les 168	6 5 19	7 5	12 6	10	18					"	26	
3-12.   Fema   Total   Males   Unkn   Total   Males   Fema   Unkn   Total   Males   Fema   Unkn   Total   Total   Total   Males   Fema   Unkn   Total	les 168 365	5 19	5	6			12	21	37	28	95		
3-12.   Total   Males   Fema   Unkn   Total   Males   Fema   Unkn   Total   Males   Fema   Unkn   Total   Total   Males   Fema   Unkn   Total	365	19	-	_	12	10					اسما	10	14
3-12.   Males Fema Unkn   Total Males Fema Unkn		1	19	17		10	4	22	20	27	23	16	g l
3-12. Fema Unkn Total Malee Fema Unkn	200				15	14	35	41	60	62	46	12	25 .
4-12. Fema Unkn   Total   Males		11	11	7	11	9	20	20	34	50	24	7	16
4-12 Total Males Fema	les 164	8	8	10	4	5	15	21	26	31	22	5	9 .
4-12. Males Fema Unkn	own 1									1	 		
4-12. Fema	268	10	10	8	9	12	19	35	58	47	26	16	17
Fema Unkn	146	6	6	2	5	4	7	26	28	31	15	5	11
• • • •	les 121	4	4	6	4	8	12	9	<b>3</b> 0	16	11	11	6
Total	own 1												1
	239	7	7	10	3	10	19	35	50	48	26	11	13
5-12 Males	150	5	5	6	1	7	13	21	34	28	18		5 i
Fema	les 89	2	2	4	2	3	6	14	16	20	8	4	8
[ Total	278	11	15	19	19	10	13	33	56	45	33	11	12
Males	155	6	9	9	9	5	4	19	37	25	20	6	6
6-12 Fema	les 121	5	6	9	10	5	9	14	19	13	5	, 6	1
Unkn	own 2			1		i				1	l		
Total		7	14	9	12	11	13	17	38	40	:24	. 14	15
7-12   Males	214	1	9	2	9	5		10	2:2	17	13	9	: i.
Fema		3		Z	•	,	•						

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

							13	Mont	hs, 1	884.					
Ages in Years.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Total	183	12	10	13	13	10	9	14	41	23	22	6	10	
	Males	97	3	5	7	8	4	4	9	25	12	12	2	6	
8-12	Females	85	9	5	6	5	6	5	5	15	11	10	4	4	1
	Unknown	1						****	****	1					į.,
	Total	168	3	6	7	10	9	8	19	38	20	23	15	10	
9-12	Males	83	2	5	1	5	3	5	8	16	13	13	6	6	
	Females	85	1	1	6	5	6	3	11	22	7	10	9	4	
	Total	161	5	7	15	12	12	12	18	27	20	18	5	10	4.
10-12	Males	103	3	4	7	8	5	8	14	16	13	14	4	7	
	Females	58	2	3	8	4	7	4	4	11	7	4	1	3	
	[Total	153	4	3	11	6	9	9	21	28	25	19	3	14	1
11-12	Males	85	4	1	7	1	6	4	10	17	16	13	1	5	
	Females	68		2	4	5	3	5	11	11	9	6	2	9	1
	(Total	1,072	47	65	77	69	92	58	91	145	168	120	75	64	1
1	Males	563	24	34	42	37	50	24	44	66	104	64	39	34	1
	Females	509	23	31	35	32	42	34	47	79	64	56	36	30	1
	Total	567	37	45	41	55	47	32	38	58	73	55	42	43	1
	Males	298	20	24	24	29	27	15	20	27	36	25	27	23	: 1
2	Females.	268	17	21	17	26	20	17	17	31	37	30	15	20	L
	Unknown	1						1		133					
	(Total	386	30	28	20	31	24	30	34	34	44	38	33	38	2
9	Males	195	8	12	11	18	9	17	24	18	24	17	20	15	1
0	Females	191	22	16	9	13	15	13	10	16	20	21	13	23	
	(Total	293	21	17	23	22	24	19	19	28	29	32	25		1 2
	Males	149	7	6	15	13	11	13	8	14	15	18	12	15	1
3	Females.	144	14	11	8	9	13	6	11	14	14	14		17	1
	(Total	280	13	14	29	23	21	19	21	26	20	38	13	30	-
	Males	142	8	9	14	14	10	7	8	13	6	22	11	20	1
5	i				35.			-		1.99			10.50		1-
	Females	138	5	5	15	9	11	12	18	13	14	16	15	10	
	Total	228	14	20	26	4	17	9	7	21	20	25	35	30	1
6	Males	113	.5	15	12	- 20	2	8	5	8	12	13	18	13	
	Females	115	8	5	14	2	15	1	Z	13	. 8	12	17	17	į
	Total	172	18	7	5	10	22	11	16	16		19	22		] 
7	∤ Males	81	6	2	2	4	12	3	7	6	7	13	12	7	i
	Females	91	12	5	3	6	10	8.	9	10	2	6	10	9	1

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

•							1	Mont	hs, 18	84.				
Ages in Years.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	(Total	119	5	11	11	8	14	13	10	6	6	9	13	13
2	Males	60	1	4	6	3	2	9	8	8	6	5	6	7
	Females	59	4	7	5	5	12	4	2	3		4	7	6
i	[Total	118	12	6	14	12	8	6	10	8	13	4	4	16
8	Males	58	7	8	7	4	5	4	6	5	8	1	2	6
	Females	55	5	3	7	8	3	2	4	3	5	3	2	10
	[Total	101	5	11	10	6	10	8	5	12	4	8	11	10
<b>4</b>	Males	48	8	7	6	4	5	4		3	3	5	5	3
	Females	53	2	4	4	2	5	4	5	9	1	3	6	7
	(Total	124	10	3	11	9	13	7	13	10	8	16	18	6
5	Males	66	6	3	3	5	8	5	8	6	8	9	9	1
	Females.	58	4		8	4	5	2	5	4	5	7	9	5
	(Total	107	5	11	12	7	7	6	13	8	8	5	11	14
8	Males	52	2	6	7	3	8	3	8	8	4		5	8
	Females	55	3	5	5	4	4	3	5	5	4	5	6	6
	(Total	113	1	9	11	11	12	7	8	7	13	7	15	12
7	Males	58		4	4	6	8	4	6	3	7	3	11	2
1	Females	55	1	5	7	5	4	8	2	4	6	4	4	10
İ	`	124	5	10	9	16	7	12	6	10	13	17	11	8
3	Total	57	2	4	5	10	4	4	3	3	5	8	5	4
		67	3	6	4	6	3	8	3	7	8	9	6	4
	Females	96	6	5	15	8	9	9	5	9	10	4	9	7
9	Total		4	3	7	5	2	7	2	2	5	2	5	4
	Males	48	_			3	7	2	3	7	5	2	4	
	( Females	48	2	2	8	14	15	11	8	7	11	11	11	8
)	Total	132	9	15	11		,		7	1		8	10	1
	Males	76	8	11	6	4	7	8	1		7	3	10	
	Females	56	1	4	5	10	8	3	9			5	6	
	Total	89	9	6	7	Э	6	13	!	11		3	2	
	Males	44	5	4	3	3	5	6	4	5		2		3
	(Females	45	: 4	-	4	2	1	7	5	6 -			4 !	4
	Total	113	9		11	9	9	8	14	7		. 7	7	15
	Males	59	4	4	7	3	7	2	9 :	4	4	2	4	9
	Females	54	5	4	4	6	2	6	5	3	5	5	3	6
	Total	116	11	15	7	. 11	11	8	4	9	9	8	16	7
3	Males	54	7	9	4	. 1	7	2	2	3	4	4	7	4
	Females	62	4	6	3	10	4	6	2	6	5	4	9	3

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

							:	Mont	hs, 1	384.					
Ages in Years.	Sex.	Year, 1884.	January.	Pebruary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	Total	119	12	8	10	10	12	6	10	6	8	9	11	17	
н	Males	64	5	5	4	4	9	4	7	8	3	5	4	11	
	Females	55	7	8	6	6	8	2	8	8	5	4	7	6	١
	Total	106	5	6	9	8	8	7	9	12	10	9	12	10	
<b>.</b> 5	Males	59	8	5	7	4	3	5	8	8	8	5	5	7	
	Females	47	2	1	2	4	5	2	6	4	7	4	7	3	1
	[Total	80	4	10	18	7	8	8	10	5	4	4	7	5	
16	Males	41	2	4	9	1	2	2	5	8	3	8	4	8	
	Females	39	2	6	4	6	6	1	5	2	1	1	3	2	
	Total	77	5	8	6	8	6	7	4	10	8	10	3	12	
17	Males	39	2	1	2	2	4	4	4	6	8	5		6	
	Females	38	8	2	4	1	2	8		4	5	5	3	6	-
	[Total	101	4	7	9	10	8	7	7	7	10	14	7	10	
18	Males	48	1	4	4	6	3	1	5	4	9	8	8	5	1
	Females	58	8	8	5	4	5	6	2	8	1	11	4	5	1
	(Total		4	4	8	8	6	8	8	18	18	9	8	11	
ω	Males	51	2	2	4	2	8	4	8	8	8	4	5	6	1
	Females		2	2	4	6	3	4	5	5	5	5	3	5	
	(Total	109	6	10	7	18	9	4	10	14	5	18	6	11	
50	Males		5	6	5	9	5	3	4	7	2	10	4	5	ı
~	Females	44	1	4	2	4	4	1	6	7	3	8	2	6	1
	Total		10	2	8	7	6	6	3	1	8	9	11	12	ı
51	Males		9		4	5	2	2	1	1	4	4	7	4	١
	Females		1	2	4	2	4	4	2		4	5	4	8	!
	Total		4	7	12	7	10	7	18	11	10	12	7	15	1
52	Males		3	3	5	2	8	8	6	4	6	6	'4	9	1
	Females.	61	1	4	7	5	7	4	7	7	4	6	3	6	1
:	(Total	94	7	7	8	7	7	9	7	8	8	9	11	8	1
53	Males	54	6	3	5	5	8	3	5	4	5	6	5	4	1
	Females.		1	4	3	2	4	6	2	4	8	3	6	2	1
	Total	114	4	9	6	15	8	9	6	11	13	7	13	13	1
54	Males	66	3	6	4	7	3			1					ı
<b>7</b>	Females	48	1	3	2	8	5	5 4	5	8	4 9	3	10	8 5	1
	(Total	113		9	2 11	10	7	_	1	3		4	10	9	1
55	Males	68	11	6	7	7		10	7	13	5	11		1	1
w	1			1	-		5	6	3	9	3	3	6	3	1
	Females	47	3	3	4	3	2	4	4	4	2	8	4	6	١

# VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

							:	Mont	hs, 18	84.				
Ages in Years.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	Reptember.	October.	November.	December.
	ſ Total	127	16	7	11	10	9	8	6	17	14	8	15	16
6	Males	65	6	3	4	6	6	5	4	6	6	4	7	8
	Females	72	10	4	7	4	3	3	2	11	8	4	8	8
	[Total	79	5	6	7	7	10	7	5	6	2	8	10	6
7	Males	46	5	8	2	2	6	2	8	5	1	4	9	4
	Females	83		8	5	5	4	5	2	1	1	4	1	2
	∫Total	103	10	8	9	7	5	3	10	18	18	7	14	9
3	Males	60	7	2	5	5	8	1	7	5	6	4	8	7
	Females	43	3	1	4	2	2	2	8	8	7	8	6	2
	(Total	108	10	6	8	7	13	4	15	4	5	9	15	12
)	Males	56	5	8	4	5	7	8	9	3	2	6	8	1
	Females	52	5	3	4	2	6	1	6	1	3	3	7	11
	ſTotal	169	20	11	16	15	13	15	16	11	8	14	18	11
)	Males	94	14	7	5	10	9	11	4	5	4	9	11	4
	Females	75	6	4	11	5	4	4	12	6	4	5	7	7
	[Total	81	3	2	5	9	7	6	6	7	12	8	5	9
L	Males	52	2	1	2	3	6	6	5	6	10	1	4	5
	Females	29	1	1	3	6	1		1 ,	1	2	7	1	4
_	ſTotal	183	3	8	3	9	15	10	15	8	9	18	18	16
2	Males	66	1	8	1	5	5	6	5	5	5	7	12	10
	Females	67	2	5	2	4	10	4	10	. 3	4	11	6	6
_	∫Total	142	12	8	11	10	16	16	10	14	9	6	13	17
3	Males	86	11	4	6	5	11	10	7	7	6	3	7	y
	Females	56	1	4	5	5	5	6	3	7	3	3	б	8
	Total	145	14	11	14	17	11	6	12	12	8	14	14	11
1	Males	86	10	6	11	9	7	5	5	11	4	g	4	4
	Females	59	4	5	8	8	4	1	7	1	4	5	10	7
_	Total	159	14	7	10	16	18	9	11	14	12	10	17	19
5	Males	89	7	3	4	12	10	4	8	8	8	5	10	8
	Females.	70	7	4	6	4	8	5	3	6	4	5	7	11
	Total	143	12	9	16	7	18	14	11	12	8	5 ,	17	14
3	Males	84	7	4	9	6	10	8	8	7	3	3	12	7
	Females	59	5	5	7	1	8	6	3	5	5	2	5	7
_	Total	128	13	8	10	7	9	11	12	13	15	8	12	10
7	   Males	84	5	7	4	5	7	ų	7	9	10	7	ų	5
	Females	44	. 8	1	. 6	2	2	2	5	4	5	1	3	5

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

·	'		:				1	Mont	hs, 18	84.				
Ages in Years.	Sex.	Year, 1884.	January.	Pebruary.	March.	April.	May.	June.	July.	Angust.	September.	October.	November.	December.
	Total	119	13	9	8	5	8	12	9	8	13	16	4	14
68,	Males	62	. 9	8	6	3	5	4	5	4	4	8 '	2	9
	Females	57	4	6	2	2	8	8	4	4	9 !	8 ;	2	5
<b>16</b> 0	Total	130	8	20	17	7	1	5	13	6	7	18	15	13
	Males	72	3	11	8	4	1	4	9	2	6	11	8 .	5
	Females	58	5	9	9	3	i	1	4	4	1	7	7	8
•	Total	125	8	6	11	11	15	8	13	10	12	10	10	12
70	Males	71	3	8	10	6	9	6	7	7	2	5	7.	6
	Females	54	8	8	1	5	6	2	6 i	3	10	5	8	6
	[Total	105	6	9	7	11	7 :	11	5	9	14	8	10 :	8
71	Males	65	6	4	5	5	8	6	2	5	11	5	7	6
	Females	40	il	5	2	6	4	5	3	4	3	3 '	3 :	2
	[Total	166	9	14	18	18	20	14	6	18	7	17	14	14
72	Males	106	5	6	10	7	16	9	5 1	14	3 1	12	9.	9
	Females	60	4	8	8	6	4	5	1	4	4	5	5	5
,	(Total	159	5	11	10	10	17	17	14	15	15	12	13	20
73	Males		3	7	'	6	10	11	6	2	8 1		6	9
	Females	81	່ <u>ຂ</u> ໍ		7	4	7	6	8	18	7	5	-	11
	[Total	164	9	12	15	13	12	11	18	11	21	15	16	15
74	Males	105	4	9	9	7	9	8	10	5	16	9	12	11
	Females.	59	5	3	6	6	3	8	3	6	5	6	4	4
,	(Total		13	8	7	9	13	- 1	11	16	8	17	21	15
75	Males		7	5	4	3	8	6	9	12	2	11	9 !	
	Females.	63	. 6	3	3	6	5	1	2	4	6	6	12	9
	(Total	147	7	15	16	16	10	12	7	18	14	14	9	9
76	Males	81	6			5	5	5	8	11	7	7	8	8
!	Females.		. 1	8	8	11	5	7	4 1	7	7	7	1	1
	(Total	109	. 5	7	_	9	7	9 i	13	6	8	13	12	13
77	Males		;	3	•	5	2	7	10	5		5	5	7.5
	Females		3	4	7	4	5	2	3	1			7 :	
	Total			~		8	13	3					•	٠
78	Males	114	10 5	4	11 8	5	10	3   2	14	8	9 , 6	6	10	14 9
	Females		5 5	3	8	3	3	1	10	5		-		-
ı		37 109			-	-	3 7	_	4	3		1	3	5
	Total	102	6	13	10	10		7	5	11	3	9	10	11
79	Males	60	2	7		7	<b>T</b>	5	1	7	2 .	8	4	7
	Females	42	4	6	4	3	3	2	4	4	1	1	6	4

TABLE 52.—Continued.—Deaths by Ages, by Sex, by Months.

							:	Mont	hs, 18	84.				
Ages in Years.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	Reptember.	October.	November.	December.
	Total	137	16	7	11	10	9	8	6	17	14	8	15	16
56	Males	63	6	8	4	6	6	5	4	6	6	4	7	8
	Females.	72	10	4	7	4	3	3	2	11	8	4	8	. 8 .
	[Total	79	5	6	7	7	10	7	5	6	2	8	10	6.
57	Males	46	5	3	2	2	6	2	8	5	1	4	9	4.
	Females	83		8	5	5	4	5	2	1	1	4	1	2 .
	ſTotal	103	10	8	9	7	5	8	10	18	18	7	14	9.
58	∤ Males	60	7	2	5	5	8	1	7	5	6	4	8	7.
	Females	43	3	1	4	2 ;	2	2	8	8	7	8	6	2
	ſTotal	108	10	6	8	7	18	4	15	4	5	9	15	12 .
59	Males	56	5	8	4	5	7	8	9	3 !	2	6	8	1 .
	Females	52	5	3	4	2	6	1	6	1	3	3	7	11
	∫Total	169	20	11	16	15	13	15	16	11	8	14	18	11
60	Males	94	14	7	5	10	9	11	4	5	4	9	11	4 1
	Females	75	6	4	11	5	4	4	12	6	4	5 :	7	7
••	[Total	81	3	2	5	9.	7	6	6	7	12	8	5	9 ;
61	Males	52	2	1	2	8	6	6	5	6 -	10	1	4	5 1
	Females	29	1	1	3	6	1	'	1 1	1	2	7	1	4 1
	[Total	133	3	8	8	9 !	15	10	15	8	9	18	18	16 1
62	Males	66	1	8	1	5	5	6	5	5	5	7	12	10
	Females	67	2	5	2	4	10	4	10	3 !	4	11	6	6
	∫Total	142	12	8	11	10	16	16	10	14	9,	6	13	17
63	Males	86	11	4	6	5	11	10	7	7	6	3	7	9
	Females	56	1	4	5	5	5	6	3	~ ;	3	3	6	8
	Total	145	14	11	14	17	11	6	12	12	8	14	14	11 1
64	Males	86	10	6	11	9	7	5	5	11	4	Q	4	4 1
	Females	59	4	5	3	8	4	1	7	1	4	5	10	· .
	Total	159	14	7	10	16	18	9	11	14	12	10	17	19
65	Males	89	7	3	4	12	10	4	8	8	8	5	10	8 :
	Females	70	7	4	6	4	8	5	3	6	4	5	7	11
	Total	143	12	9	16	7	18	14	11	12	8	5 !	17	14
66	Males		7	4	9	6		8	8	7	3	3	12	7
	Females		5	5	7	1	8	6 :	-	5	5	2	5	7.
	{Total	128	13	8	10	7	9 ;	11	12	13	15	8 !	12	10
67	Males	84	5	7	4	5	7	9	7	9 '	10	7	9	5.
	Females.	44	8	1	6	2	2	2	5	4	5	1.	3	5.

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

r			ı				1	Mont	hs, 18	84.				
Ages in Years.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	Angust.	September.	October.	November.	December.
	[Total	119	13	9	8	5	8	12	9	8	13	16	4	14
38	Males	62	9	8	6	8	5	4	5	4	4	8	2	9
i	Females	57	4	6	2	2	3	8	4	4	9	8	2	5
i <b>10</b>	Total	130	8	20	17	7	1.	5	13	6	7	18	15	18
,	Males	72	8	11	8	4	1	4	9	2	6	11	8	5
t	Females	58	5	9	9	3	i	1	4	4	1	7	7	8
	Total	125	6	6	11	11	15	8	13	10	12	10	10	12
70	Males	71	3	3	10	6	9	6	7	7	2	5	7 4	6
İ	Females	54	8	8	1	5	6	2	6	8	10	5	8	6
<b>,</b>	Total	105	6	9	7	11	7	11	5;	9	14	8	10	8
<b>'1</b> '	Males	65	6	4	5	5	3	6	2	5	11	5	7	6
!	Females	40	,;	5	2	6	4	5	3	4	3	3	8	2
	[Total	166	9	14	18	13	20	14	6	18	7	17	14 '	14
<b>2</b>	Males	106	5	6	10	7	16	9	5	14	8	12	9.	9
:	Females.	60	4	8	8	6	4	5	1	4	4	5.	5	5
	Total	159	5	11	10	10	17	17	14	15	15	12	18	20
<b>73</b>	Males	78	, a	7	3	6	10	11	6	2	8	7	6	9
	Females	81	2	4	7	4	7	6	8	13	7	5	7	11
,	[Total	164	9	12	15	13	12	11	18	11	21	15	16	15
[4	Males	105	4	9	9	7	9	8	10	5	16	9 '	12	11
	Females	59	:   5	8	6	6	3	8	3	6	5	6	4.	4
·	[Total	145	13	8	7	9	13	7	11	16	8	17	21	15
5	Males	82	7	5	4	8	8	6	9	12	2	11	9	6
ļ	Females	63	6	8	3	6	5	1	2	4	6	6.	12	9
:	[Total	147	. 7	15	16	16	10	12	7 !	18	14	14	Я	9
6	Males	81	6	8	. 8	5	5.	5	3	11	7	7	8	8
	Females	66	1	7	. 8	11	5	7	۱ ،	7	7	7.	1	1
ı	Total	109	5	7	7	9	7	9	13	6	8	13	12	13
7	Males	56	2	8		5	2	7	10	5	5	5	5	7
·	Females	53	3	4	7	4	5	2	<u>  3</u>	1	3	s	7 1	6
	Total	114	10	7	11	8	13	3	14	8	9	· .	10	14
8	Males	77	5	4	8	5	10	2	10	5	6	6	7	9
	Females	87	. 5	3	8	3	8	1	4	3	3	1	3	5
	(Total	102	6	13	10	10	7	7	5	11	3		10	11
9	Males	60	2	7	6	7	4	5	1	7	2	. 8 i	4	7
	Females	42	4	6	4	3	3	2	4	4	1		6	

### INFANT MORTALITY.

As might be expected there were a greater number of still-births returned for the year 1884 than for any previous year; still the proportion of still-born children to all children born, was not as great as in some previous years. As shown by Table 53, the per cent of still-births to total deaths was greater in 1884 than the average for ten years 1874-1833, but less than the per cent for 1883.

TABLE 53.—The Relation of Still-births to all Deaths returned for the Years 1882, 1883, 1884, and the Average for Ten Years, 1874–1883, Corrected by means of the Returns of Births.

•	Tota	al Deaths as	nd Still-bi	rths.
-	1882.	1883.	1884.	Average for 10 Years, 1874–1888.
All deaths	16,425	16,906	18,766	14,588
Number of still-births	792	884	919	711
Per cent of still-births to total deaths	4.82	5.23	5.09	4.88

Table 54, though somewhat complicated in its construction, may be easily understood by a little careful study. It comprises four distinct showings or exhibits, and in order to more easily comprehend each, and all of these combined, it will be advisable to study the table in parts.

The months of the year, as arranged at the left of the table, represent the months during which the deaths occurred. The numbers as arranged at the top of the table, indicate the ages in months of those who died during each month of the year.

In order to clearly understand the use or object of the heavy angling line running through the table, it will be well to study separately two or three of the horizontal lines of figures representing the deaths which occurred during each month by ages, beginning with January. This being the first month of the year of death, it will be seen by a little reflection, that all who died during the month of January under one month of age, were also born during the same month, being the first month of the year of death; while those who died at one month of age were born in December, the last month of the previous year.

Hence there is drawn a short perpendicular line between those under one month of age, and those of one month of age, thus separating those who were born during the year of death from those who were born during the previous year.

Take again the month of February: it will readily be seen that those dying at one month of age were born in January, the first month of the year of death, while those dying at two months of age, were born in December, the last month of the previous year. Here the short perpendicular line is drawn between those at one month of age and those at two months of age, thus separating, as for the month of January, those who were born during the year of a were born during the previous year.

These short perm heavy angling al lines make up the

TABLE 52.—CONTINUED.—Deaths by Ages, by Sex, by Months.

			İ				1	Mont	hs, 18	184.					_
Ages in Years.	Sex.	Year, 1884.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October,	November.	December.	Unknown.
	ſ Total	14			1		2		2	1	2	1	3	2	i -
92	Males	4	<b> </b>						1		1	·		2	; <b></b>
	Females	10	;		1	! :	2		1	1	1	1	3	·	
	Total	13	3	2		2	4			1	1	ļ			
93	Males	6		1		2	2		¦	1		•		· • • • • •	j
	Females	7	8	1	! :		2			! • • • • •	1				ļ
	Total	8	1	1				ļ		4	·		1	1	ļ
94	Males	2	ļ							1				1	ļ
	Females	6	1	1						3			1		
	[Total	6			2	1		 			1	2	····	·	
95	Males	3		٠	1	1						1	• • • • •		
	Females	3	•••••		1		<b></b>	:			1	. 1			ļ. <b>.</b>
	Total	8	! 1	1		1		1		2	1	·	1	· • • • • • • • • • • • • • • • • • • •	1
96	Males	3				ļ	ļ		1	1	. 1	į	. 1		
	Females	5	1	1	<b></b>	1		1		1	!				
	Total	4	1		1		ļ	!	ļ		• • • • •	ļ	1	1	
97	Males	1	. 1				! ! • • • • •	I <b></b> -	j		·				ļ
'	Females .	8			1	·	ļ						ļ	1	
	Total	5		ļ		1	1	1	1		·	. 1		1	
98	Males	4	; 		! ! • • • • •	1	1	1				1			
	Females	1		<b> </b>			ļ	<b> </b> -	ļ		. <b></b> -			1	
İ	Total	2	·	! 		:			1	·	,			1	
99	Males	1						ļ <b></b>	1			!			١
	Females	1				į	! 	. <b></b> -	<u>'</u>		. <b></b> -			1	
	Total	10	ļ	1	3	1	1	1				2	1		
100 and over	Males	4	·	1		1	1	1			!		•••••	•	
!	Females	6			3	: :	¦	<b></b> -	¦		'	2	1	· · · · ·	
	Total	263	19	13	14	26	23	22	15	32	28	21	9	24	17
Unknown	Males	152	10	7	7	18	14	10	7	23	16	11	6	14	9
CHRUWII	Females	107	9	6	7	. 8	8	10	8	8	12	10	3	10	. 8
	Unknown	4		!		ļ	1	2		1		ļ			j

ABLE 54.—Exhibiting, by Sex, the Number of Children under One Year of Age returned as having Died in Michigan during the Year 1884; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the previous Year.

,	ged Year.	Total.	97	23	. \$	8	ğ	: <b>2</b>	Ę
	All aged under 1 Year	æx.	18	158	88	558	12.5	₹₹	¥.5
nths.	Born	Total.	<b>8</b> 5	108	<b>8</b>	<b>a</b> t	Ę.	<b>3</b>	*
Deaths by Months.	Of these Born in Previous	1	84	82	<b>25</b>	<b>38</b>	1 88	51.55	, E
ths h	, <u>2</u> =					1883	·		
1)ea	orn in rath.	Total.	97	167	2	ន្ត	. <b>%</b>	25.5	360
	Of those Born in Year of Death.	gex.	88	3.2	<u>2</u> 8	82.2	65.22	37	25
	) o ze	'				1884		··	
- 4	1	Хенг.				1883			
Number born in each Month of Year previous to Year of Jearh.		Total.		+	, ac	ត	. 8	\$	2
Number born in each Month of Year previous to Year of Death.	dose to se	Numbi Sex.		-	; <del></del>	∞ ∞	28	ន្តន	88
	 =		*	-00	1₩		<b>•</b> ••	410	9=
Number of Children who Died at each Age in Months.	<u>.</u>	-	. 00 01	<b>→</b> ∞	, k- 00	oc.→	NC F-	x.≠	27
ach	<u>a</u>		84	10-	6	1 1616	w. 20	r5 65	*°=
at e	ಹ		800	-010	, t-±	∞ •c	<b>+</b> c	410	0.0
<u> </u>			∞4	G-10	-110	<b>.</b>	*C.40	r- <b>\$</b>	22
lren who D in Months.	•		6010	G-60		<b>~</b> 0	*0.40	<b>→</b> @	2.7
ri Mog	<u>يد</u>		10 M	FC 65	. ec <del>+</del>	21	1-20	చెం	ล≠
andra Ti	· -		<b>∞</b> 4		01 € 	7C.→	<b>→</b> x	<u>⊬</u> 33	250
5	က်		= <b>*</b>	_=*	<b>6-2</b>	=*	a.c.	원교	82
ar of	81			F~10	12 6	22	==	23.₹	ឌន
Ĕ	· -		10	14 9	118	<b>*</b>	72	ac 53	85 ≃
ž	<u>'</u>		88	E-5	E 12	₹5	<b>8</b> :-	88	8.
lonth	dose to 19	Namb Sex.	149	<u>8</u> 161	<b>₹</b> ≅	<b>₹</b> ≅	158 158	ŽZ	83
Number Born in each Month of Year of Death.	Sox.	,	Males	Males	Males	Males	Males	Males Fernalea	Males Females
mber Bo of Yea	Total.		363	413	95	#	828	£5 88	<b>S</b>
		Year.				1881.			
Months in which Births	and Deaths Occurred.		January	February	March	April	Мау	June	July

715	648	513	306	385						4,832
ia	25.2	303	170	165				4	137,2	-
133	8	£5	co					883		
25	38	120	,—31				128			
		1888					- 1			
585	578	476	308	385		3,969				
25	988	300	188	165	2,274					
		1884.			TIT	1	1		H	
		1883.						1		
£	Ξ	149	155	176				883		
\$=	83	28	22.51	138		1	58			
==	Es	E o	-01	100	100	14	88	88	88	152
£=	25	44	4-	F= 00	=4	12	25	146	88	191
28	- 12	85	95	94	82.53	84	28 28	130	88	168
82	크크	212	05-4	94	88	19	88	131	25	182
212	82	22	0.0	\$~00	23	181	28	88	101	415
188	350	88	50	6.8	133	186	32	28	1881	275
22	88	of at	1-4	10.00	35	302	2423	\$ē	38	539
88	183	12	01	11 9	55 25	230	18	55	32	267
38	88	92.83	t-10	50	52	300	88	18	200	364
88	855	£83	10	¥6	188	330	10	88	195	362
58	នន	83	233	=22	216 186	402	21-	11	198	419
312	23	106	88	126	1,198	2,029			1,198	2,029
289	130	858	109	82.8	2,274	3,969		863		4,832
Males	Males	Males	Males	Males	Males	Total	Males	Total	Males	Total
339	311	81	184	25	3,969	7,938				
	1	7881		100	'#5		*88	st		ear.
jsnant	September	October	November	December	Of those Born In	Year of Death.	Of those Born in	_	All Aged	under one Y

\* Excluding 2 males and 3 females, month of death unknown; and 77 deaths of persons of unknown sex,-82 in all.

under One Year of Age, and the Per Cent of Decedants aged under One Year to the Children Born in 1883, according to the **±BLE 55.**—Of the Children Born in 1883, the Number who Died during the Year 1883: the Number who Died during the Year 1884 Returns.

			Born in 1883	1883.			Ma	Males Born in 1883	ı in 1883			Fer	Females Born in 1863	rn in 18	χi.
Months of Births.	Births in 1883, as Returned.	Died during the year 1883.	Died Aged under I Year during the Year 1881.	Total Died Aged un- der I Year.	Per Cent of Deaths. under 1 to Births.	Births of Males, 1883, as Returned,	Died during the year	Died Aged under I Year during he Year 1884.	Total Died Aged un- der I Year,	Per Cent of Deaths.	Births of Females, 1883, as Returned.	Died during the year	Year 1884. Year 1884.	Total Died Aged un- der 1 Year.	Per Cent of Deaths, under I to Births,
Total *	40,767	3,381	<b>8</b>	<u>4</u>	10.41	21,173	1,915	4	2,392	11.30	19,514	1,468	**	1,852	9.49
January	7,864	**	İ	83	10.66	1,850	. 2	-	169	12.4	1,202	114		: =	<b>23</b> <b>26</b>
February	2,734	315	*	818	11.67	1,376	178	*	170	18.0s	1,350	140		9	10.37
March	3,312	#	<b>30</b>	21	10.63	1,724	178	*	<u>22</u>	10.56	1,588	<b>9</b> 8	*	5	10.74
April	3,455	8	22	88	10.39	1,763	981	22	32	10.95	1,686	35	•	98	9.86
May	3,667	N	8	28	9.8	1,923	171	18	187	9.73	1,738	181	<b>3</b> 3	174	10.01
June	3,333	600	*	*	39.OI	1,778	82	83	212	11.82	1,547	35	31	34	9.18
July	3,576	28	8	200	10.99	1,885	161	8	ă	12.44	1,745	25	8	<b>9</b>	9.51
August	3,766	88	<b>\$</b>	83	10.07	1,986	98	*	\$13	10.83	1,788	83	7	98	9.26
September	3,694	912	111	38	10.48	1,948	991	8	ă	11.56	1,736	超	3	391	9.38
October	3,664	22	140	398	9.61	1,886	116	18	8	10.40	1,760	€	<b>8</b>	92	8.83
November	8,358	33	166	347	10.33	1,798	55	<b>32</b>	26	10.46	1,564	32	55	150	10.23
December	3,555	33	176	35	10.01	1,839	118	300	ន	12.08	1,721	\$	Œ	181	7.96
• Excluding 42 in unknown mon	own month. 23 males. 18 females. and 1 unknown sex	– H. 18 fen		 id 1 unk	- nown e		1	•	:		- ; ;	ı		1	:

### RELATIONS OF DEATHS OF CHILDREN TO BIRTHS.

The excess of infant-mortality, which has been referred to on preceding pages, may be still further studied in Tables 54, 55, and 56.

Table 55 gives, by sex, the ratio of deaths under one year to the births in 1883. By this it appears that to every one hundred children born in Michigan in 1883, about ten children under one year old died. Of the 21,173 male children who were born in 1883, 2,392 or 11.30 per cent of them died before the age of one year. Of the 19,514 females born in 1883, 1,852 or 9.49 per cent of them died before their first birthday. These percentages correspond very nearly with the average for the ten years 1874–1883, the total being 10.52, that for males 11.48, and for females 9.52. It is thus seen that of all the children who died before the age of one year, the proportion is greater among males than among females, the average annual excess of males being about two per cent.

The largest per cent of children born in 1883 who died aged under one year to the total number of births returned for 1883 was in February. In the table before us, the per cent of the children born in the several months who died before the age of one year, is seen to be quite uniform throughout the year, but in the average for ten years 1874–1883, a larger per cent of the children born in the first four months of the year die before their first birthday than those born in the later months of the year. That is, children born during the fore part of the year were more liable to die before the age of one year than those born in the latter part of the year.

Table 56 shows the relative influence of season upon the mortality of children born in each month of 1883, who died under one year of age. By the third column from the last, it appears that a very large proportion of these deaths occurred during the month of birth, the per cent ranging from 39.55 in June to 52.71 in September, the average per cent being 46.54. The last column shows what per cent of the children born in each month of the year 1883 died during the month of birth. On an average nearly five per cent of the children died during the month of birth. The largest per cent appears for September and the smallest for October. It may also be seen that of the 4,244 children born in 1883, who died under one year, 1,975 died in the month of birth, 373 lived to the age of one month, 275 lived to the age of two months.

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TABLE

		ļ			Months		of De	Deaths,	38	<b>.</b>						Months		of De	Deaths,	, 1884 4	<b>z</b> i		i	19þi	Re	an t atac atac
Months of Births, 1883.		.nst	reb.	.18l/.	April.	May.	- aunt	Aug.	Sept.	.150	.voV	Dec.	.nst	Feb.	.18M	April.	May.	June.	July.	.guy	Sept.	.voV	Dec.	Per Cent Aged un I month	Hirths 1888, as turned	Per Cen Children Died agred der 1 mo to all C
Born in 1883, died aged	42,4	ñ	3	ŝ	33	8	- <del>1</del>	347	£58.	38	288	98	108	183	2	<b>.</b>	E	3	88	83	8	34	60		40,767	
January	**	**	अ	8	7	2	=	न्न	16 :	<u> </u>	<u>;                                    </u>	<u>: 22</u>	1:	l i		Ti-	H		·: 		<u>  ;                                   </u>	<u>                                     </u>	<u>                                     </u>	44.68	3,654	4.75
February	319		8	8	18	16		<u></u>	- 83	- 28	13	<b>∞</b>	*	:	-	i		÷	<del>- :</del>	$-\dot{\vdash}$	:	<del>- :</del>	$\div$	41.38	2,734	4.88
March	8			168	æ	13	18	83	- 88 - 88	-8 		2	20	co	:	i	<u> </u>		<del>-                                    </del>			<del>- :</del>	$\div$	47.73	8,312	6.07
April	320		:		188	র	15		*	8		10 13	60	-	11	÷	-i-	<del>- :</del>	- <u>:</u>		+	<del>-:</del>	$\stackrel{:}{-}$	46.24	8,455	<b>6.4</b>
Мау	38	:	:	<del></del>		191	₹	_ <del></del>	-=	- 8	16 11	1 10	21	•	15	•	<del> </del> -	<del>:</del>	_ <u>-</u> -		-:-	- <del>:</del>	<del>-                                    </del>	44.80	3,667	4.30
June	35.		- ;	<del>- i</del>		:		<u> </u>	\$	== •	- 81	9 17	£	9	-4	23	0	<del>- ;</del>	<del></del>	- <u>i</u> -	<del></del> i-	<del>- ;</del>	-:	39.55	3,308	7.80
July	88		- :	÷	÷		<del>-</del>	178	- 26	_ <del></del>	16	<u> </u>	=	7	13	91	23	0	÷	<u>i</u> _		<del>:</del>	-	45.29	3,578	4.8
August	37.0		•	:	-			<del>-=</del>	<u></u>	88	- <del>2</del>	8	1-	22	6	22	•	2	22	÷	-:-	$\div$		61.19	3,766	6.15
September	 8:	_ ;	:	$-\dot{\parallel}$		<del>- :</del>		<del>-                                    </del>		**************************************	<b>8</b> 2	- <u>8</u>	2	۲۰	18	23	2	90	- 81	88	:	<del></del>		17.38	3,694	5.52
ober	35			<u>;</u>	<del></del>	<del></del>	<del></del>	<u>;</u>	- :	. 158	- 88	81	2	9	2	8	Ξ	۵	61	13	88	<del>:</del>	<del>- i</del> -	48.47	3,664	¥.18
vember	3.7	:		- <del>†</del>	<del></del>	<u>:</u>		<u>:</u>	_ <del>!</del>	_ <u>i</u>	E	22	=	- 6	<b>30</b>	æ	9	13	=	88		9		49.28	3,868	6.09
December	88				_ <u>:</u>	- <u>·</u>	_ <u>:</u>	<del>- :</del> -	<u>:</u>	<u>.</u>		82	11	23	11	6	9	18	11	3	8	- 8		50.84	8,555	5.12
Deaths at No. of Deaths Ages in Ages in	1,24					- ; ; ;							1975	878	\$2 01	£ 8	98 *	177 3	202 9	138	8 8	88 6	156 153 10 11	11		78'7

It should be borne in That is, per cent of children who died during month of birth to total born in 1989 who died aged under one year.
 Excluding 42 in unknown month.-32 makes, 18 fermales, and 10 dunknown sex.
 That is, of the children born in 1983, the per cent who died during month of birth.—according to the returns of births and deaths. mind that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

to births for the year 1884 was 5.19, for the year 1883, 4.97, for the year 1882, 5.05, for the year 1881, 5.28, and for the year 1880, 4.75. The average per cent for the ten years 1874-1883 was 4.75 for total, 5.15 for males, and 4.09 for females. It will be noticed that the per cent is Table 57 shows, by sex and months, during 1884, the relation of decedents aged under one month to births. The per cent of such deaths greater for the males than for the females.

TABLE 57.—The relation, by Months, of the Decedents Aged under One Month to the Births returned for the Year 1884.

	Specifical Street							Ä	Months, 1884.					:	
		Year, 1884.	Jap.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dcc.	Unk.
	Births	40,408	2,748	878,2	3,408	3,430	3,480	3,407	3,482	3,673	3,559	3,445	3,215	3,544	6
otal	Total Deaths aged under one month	2,099	143	148	175	161	167	151	88	212	.214	171	25	213	4
	Per cent of deaths to births	5.19	5.20	5.14	2.00	4.69	4.80	29.4	28.	5.77	6.01	5.14	5.10	5.98	8.16
	Births	20,908	1,421	1,490	1,831	1,785	1,744	1,777	1,789	1,918	1,872	1,788	1,655	1,810	18
ales	Males Deaths aged under one month	1,199	*8	1	6	8	88	88	100	831	121	108	<b>8</b> 2	83	-
	Per cent of deaths to births	5.73	5.98	5.17	4.97	5.24	8.	4.87	5.59	6.67	6.62	5.83	5.82	98.9	5.56
	(Births	19,414	1,33	1,385	1,660	1,627	1,724	1,624	1,684	1,747	1,676	1,651	1,556	1,73	ži
emales	Females Deaths aged under one month	88	28	- 62	92	61	r	8	19	4	88	8	왏	<b>\$</b>	:
	Per cent of deaths to births	4.28	4.16	18:	4.58	3.75	4.12	4.00	39.63	17.7	4.80	4.12	3.88	4.97	;
- 1	(Births	**	*	8	4	90	2	•	G	<b>x</b> 0	H	9	-	20	*
TRIIOMIT	Unknown.	8	60	4	<b>6</b> 0	•	9	•		7	œ	æ	4		60

a Still-births included.

	All aged under 1 Year.	Total.	84	270	. <b>8</b> 8 ∣	€	ğ	<u> </u>	1
	All	ž	158	168	<b>8</b> 22	175	177	5.₹	!
nths.	Sorn ous	Total.	<b>5</b>	8	82	æ	E .	<b>3</b>	1
Deaths by Months.	Of those Born in Previous Year,	Sex.	32	8.≐	<b>3.8</b>	<b>\$</b> 8	8.8	22.25	7
jų Q	23				<u>'</u>	1883.		·	
Deat	ath.	Total.	071	167	ន្ត	8	<b>156</b>	257	
	Of those Born in Year of Death.	Sex.	88	1682	<u>2</u> 8	82.2	65.22	27	1
	Ver L	'			!	1884.			_
ach of vi-		Теяг.				1883.			
Number porn in each Month of Year previous to Year ous to Year of Death.		LatoT		₹	Œ	55	85	#	
Number born in each Month of Year previous to Year of Death.	dose to te	Namb Sex.	11	4	++	8	≅8	ន្តន	
	<u>.                                     </u>		*	-03	1	-10	<b>6</b> 00	410	:
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iren who Din Months.	<u></u>		70.55	10 0X	<b>64</b>	- CE	25-26	ដិត	
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Number of Children who Died at each Age in Months.	~ ~i			P-10	31°C	22	28	37.4	
uma			22	, <b>*</b> °	118		ភ្	~ <u>27</u>	-
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<b>Conth</b>	дэжэ <b>1</b> ο тэс	Numb Sex.	214	191	1 25 €	25 168	25 1.86 1.86	25.E	1
Number Born in each Month of Year of Death.	Sex.		Males	Males	Males	Males Females	Males Females	Males	
ber Bo	Total.		22	<b>₽</b>	<del>2</del> 2	<del>21</del>	Ĝ	38	_
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Months in which Births	and Deaths Occurred.		January	February	March	April	Мау	June	1

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		1883.								
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<b>.</b> 868		<b>\$</b> =	27	11 8	<u> 258</u>	8	88	8	<b>9</b> 22	38.
<b>35</b> 55	88	<b>43</b>	- ro	, 25 c	E85	200	838	128	82	\$
हिल	* \$2	22.23	52	<b>4</b> c	5575	88	<b>82</b>	83	19.50	22
26	20 83	8%	12	===	216 188	\$	22	4	282	419
₹:	<u>₹</u>	90 88	88 22	82,88	1,198	2,029			1,198 881	2,029
156	32.65	85. 88	109 75	<b>83</b> 88	2,274	3,969		88		4,832
Males	Males Females	Males	Males	Males Females.	Males Females.	Total	Males	Total	Males Females	Total
- \$4	1 #	ត្ត	<u>₹</u>	212	3,969	7,998			,	
-		.1881			·148	181	.88	81	<u> </u>	ear.
August	September	October	November	December	Of those Born in		Of those Born in		All Aged	under one Y
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• Excluding 2 males and 3 females, month of death unknown; and 77 deaths of persons of unknown sex,-82 in all.

under One Year of Aye, and the Per Cent of Decedants ayed under One Year to the Children Born in 1883, according to the TABLE 55.—Of the Children Born in 1883, the Number who Died during the Veur 1883; the Number who Died during the Vear 1884 Returns.

	Per Cent of Deaths.	8.40	8.8	10.37	10.74	9.82	10.01	9.18	9.51	9.36	9.38	8.82	10.23	7.96
rn fn 12	Total Died Aged un- der l Year.	1,862	111	071	5	198	174	142	28	<b>9</b> 2	39	156	159	187
Females Born in 1883	Died Aged under I Year during in e Year 1884,	88			4	<b>x</b>	N	31	88	<b>∓</b>	3	<b>æ</b>	£3	æ
Fen	Died during the year	1,468	17.	140	166	321	121	280	88	83	120	<b>38</b>	84	ž
	Females, 1889, as Returned.	19,514	1,292	1,350	1,588	1,686	1,738	1,547	1,745	1,798	1,736	1,769	1,554	1,721
	Per Cent of Deaths. under 1 to Births.	11.30	12.4	13.03	10.56	10.85	9.73	11.92	12.44	10.83	11.56	10.40	10.48	12.08
n in 1885	Total Died Aged un- der 1 Year,	2,302	89	621	꾪	8	187	212	ä	213	<b>8</b>	188	88	ន
Males Born in 1883	Pied Aged under 1 Year during the Year 1884,	477		*	4	13	16	83	98	45	69	18	88	103
M	Died during the year	1,915	169	175	178	180	171	189	191	168	156	115	105	118
	Males, 1883, as Returned,	21,173	1,359	1,375	1,724	1,763	1,923	1,778	1,825	1,966	1,948	1,885	1,798	1,899
	Per Cent of Deaths. under I to Births.	10.41	10.66	11.67	10.63	10,39	9.84	10,62	10.99	10.07	10.48	9.61	10.33	10.07
1883.	Total Died Aged un- der 1 Year.	4,214	583	319	352	320	361	354	388	379	387	325	347	358
Born in 1883	Died Aged under I Year during the Year 1884,	863		*	30	12	38	45	99	8	III	149	155	176
	Died during the year	3,381	280	315	344	838	350	300	324	293	276	203	192	185
	Births in 1883, 25 Returned.	40,767	798,5	2,734	3,312	3,455	3,667	3,33	3,576	3,766	3,694	3,064	3,358	3,555
	Months of Births.	:	January	February	March	April	Мау	June	July	August	September	October	November	December

• Excluding 42 in unknown month, 23 males, 18 females, and 1 unknown sex.

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286         128         22         23         14         12         16         14         2         16         16         16         18         4         2         16         1	Born in 1883, died aged under I vear	1-4-	1		1	<u>.                                      </u>	·		347	458	<u>'</u>			1	, ,												40,767	
359         128         35         19         16         24         25         25         11         7         8         6         3   .	January	88	'	!	!	<u>.                                    </u>	l	!	8	92	8	l	l	15	+	:		<u> </u>	<u>:</u>	<del>-</del>	<u>.</u>	<u>.</u>				44.62		4.75
359         166         24         15         26         16         16         16         24         15         26         16         16         16         27         11         16         26         16         17         7         11         12         6         16         16         16         16         16         16         16         16         17         7         10         7         12         9         16 <td>February</td> <td> 319</td> <td></td> <td>133</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>क्ष</td> <td>88</td> <td>13</td> <td>-</td> <td>œ</td> <td><del></del></td> <td></td> <td></td> <td><del>-</del></td> <td><u> </u></td> <td><u>:</u></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>41.38</td> <td></td> <td>4.88</td>	February	319		133					2	क्ष	88	13	-	œ	<del></del>			<del>-</del>	<u> </u>	<u>:</u>				-		41.38		4.88
359       166       24       15       26       44       20       20       10       18       3       7       11	March	352			168				23	88	श्च	Ξ	<b>-</b>	œ	- 22		-	<u> </u>		<del>- :</del> -	<u>.</u>					47.73		5.07
354       161       28       44       10       16       <	April	328				166			88	#	श्च	8	01	13	8			<u> </u>								46.24		4.80
385       386       379       379       370       371       372       372       373       384       375       376       377       377       387       387       388       389       381       382       382       383       3847       3847       385       386       387       387       388       389       380       381       382       383       384       384       385       386       387       387       48       48       49       49       49       49       49       40       40       40       40       40       40       40       40       40       40       40       40       40       40       40       40       40       40<	May	381			i		161		ਲ	3	19	16	=		23		12	<del>.</del>	_	_ <u>:</u>		<u>.</u>		_ <u> </u>	-	44.60		4.80
3573 3774 3775 3775 3776 3777 3777 3777 3777 3777	June	354						140	€	\$	2	18	6	-2-		9				<del>-                                    </del>	<u>:</u>			- :		39.56		8 4.30
37.9       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       38.7       49.8       49.8       49.8       49.8       49.8       40.8 <td>July</td> <td>388</td> <td></td> <td>•</td> <td></td> <td><u>:</u></td> <td>į</td> <td>-</td> <td>178</td> <td><b>26</b></td> <td>9</td> <td>16</td> <td>9</td> <td>81</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_<u>i</u>_</td> <td></td> <td><u>.</u></td> <td></td> <td>45.29</td> <td></td> <td>8.4.</td>	July	388		•		<u>:</u>	į	-	178	<b>26</b>	9	16	9	81								_ <u>i</u> _		<u>.</u>		45.29		8.4.
352 347 348 349 340 340 341 341 342 341 342 342 343 344 3434 343	August	379		_ i			:		:	喜	æ	88	81	श्च											:	61.19		5.15
352 347 347 348 349 340 344 349 340 341 341 342 341 341 341 342 341 341 341 341 341 341 341 341 341 341	September				:				-	- :	ਨ੍ਹੇ	윉	- 81	33	9											52.71		5.62
358 4.244  4.244  7.1	October	352					- 1		-			158	88												-	48.47		4.18
4.244	November	347	-	-				<u>i</u> _	-	_ <u>-</u> -	<u>-</u> -	-	E			- 61	<b>∞</b>							:		49.28		90.09
4,244 1878 276 271 186 177 204 176 172 136 156 158 1 1 2, 3 4 5 6 7 8 9 10 11	December									<u>-</u> -	_ <u>;</u>	<del>-</del>	<del>-</del>			!	-=-								-	50.84		5 5.12
	Deaths at No. of Death Ages in Ages in Months	7 :	: :		: :	<u> </u>						<del>                                     </del>		<u> </u>	1		,	= -	17	æ			22		<u>'</u>			4.84

It should be borne in That is, per cent of children who died during month of birth to total born in 1888 who died aged under one year.
 Excluding 42 in unknown month,—37 mades, 18 females, and 10 unknown sex.
 That is, of the children born in 1883 the per cent who died during month of birth,—according to the returns of births and deaths.
 mind that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

Table 57 shows, by sex and months, during 1884, the relation of decedents aged under one month to births. The per cent or sucn desuns average per cent for the ten years 1874-1888 was 4.75 for total, 5.15 for males, and 4.09 for females. It will be noticed that the per cent is to births for the year 1884 was 5.19, for the year 1888, 4.97, for the year 1882, 5.05, for the year 1881, 5.28, and for the year 1880, 4.75. greater for the males than for the females.

TABLE 57.—The relation, by Months, of the Decedents Aged under One Month to the Births returned for the Year 1884.

	Now oto Specified							Ĭ	Months, 1884.	Ž					
	· pall	Year, 1884.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	96	Nov.	Dcc.	Unk.
. B.	Births	40,408	87.2	2,878	3,498	3,430	3,480	3,407	3,488	3,673	3,550	3,445	3,215	3,544	49
Total De	Total Deaths aged under one month	2,099	143	148	175	161	167	35	168	212	.214	171	18	213	*
   <b>Pe</b>	Per cent of deaths to births	5.19	5.20	5.14	2.00	4.69	4.80	39.	8.	5.77	6.01	5.14	6.10	5.98	8.16
<b>B</b>	Births	80,908	1,421	1,490	1,83	1,786	1,744	1,777	1,789	1,918	1,872	1,788	1,655	1,810	18
Males De	Males Deaths aged under one month	1,199	*8	E	6	\$	88	88	81	83	121	108	<b>£</b>	83	-
Pe	Per cent of deaths to births	5.73	2.88	5.17	4.97	5.34	4.98	4.67	5.59	6.67	6.62	5.83	5.92	98.9	5.56
æ	Births	19,414	<u> </u>	1,385	1,660	1,627	1,724	23.	1,684	1,747	1,678	1,661	1,566	1,731	53
Females De	Females Deaths aged under one month	188	18	19	22	19	II.	8	19	E	28	88	왕	<b>38</b>	
Pe	Per cent of deaths to births	4.28	4.16	4.84	4.58	3.75	4.12	4.00	39.68	4.41	4.80	4.12	93.	4.97	:
Habrary (BI	Births	<b>\$</b> 8	20	co	-	•	21	9	6	<b>o</b>	n	•	4	20	*
Unknown.	Unknown.	8	က	+	<b>30</b>	•	91	•	1-	2	<b>80</b>	60	4		80

· Still-births included.

# DEATHS OF CENTENARIANS.

Table 58 gives the names of persons who died in Michigan during 1884 aged one hundred years and over, and certain details concerning them. Of these, 4 were males and 6 were females, and 3 were natives of Michigan.

It is improbable that all the ages given are absolutely correct, but they are the ones given in the returns made to this department, and as nearly correct as it is possible to get them.

TABLE 58-Exhibiting certain Details concerning Persons returned as having died aged One Hundred Years and over during the Year 1884.

Names of Cantenarians			-piw	i	¥ 	Age.	.—		Place of Death.	beath.	Date of Death,	ath.	Cause
1884.	æx.	Color.	Married, gle, or owed.	Birthplace.	Years.	Months.	Days.	Occupation.	Town.	County.	Month.	Day.	of Death.
Angeline Lalonde	Fernale	White		Widow. Unknown	901	:		None	Nouth Arm Charlevoix. March	Charlevoix.	March	*	Old age.
James Stevens	Male	White	Married	Michigan	110		:	Blacksmith	Harbor Springs Emmet	Emmet	June	16	Old age.
Catherine Marn	Female	White	Widow	Delaware	116 3		6	9 None	Alamo	Kalamazoo March	March	18	Old age.
Andrew Matoon	Male	White	Married	New York.	901	· ·	21 H	Farmer	Attica	Lapeer	February	33	Old age.
Sag-aw-law	Ма!е	Indian	Indian Married	Michigan	110			armer	Farmer (Jarfield	Mackinac. May	May	•	Old age.
Ellen Farley	Female	White		Widow Ireland	E	:		Tousewife.	Housewife. Marquette City Marquette. March	Marquette	March	01	Old age.
Margaret Belhumer	Female White	White		Widow Canada	<b>*</b>	m	-	Tousewife	Housewife Negaunee City. Marquette October	Marquette.	October	ਲ	31 . Old age.
Cella Trombly	Female	White	Widow.	Michigan	103	9	<u> </u>	None	Detroit	Wayne	November	3]	Old age.
Toby Smith	Male	Black.	Unk	Black.   Unk   Unknown	751	<u> </u>	<del>ن</del> :	Gardener	Niles	Berrien	Berrien April	ij	Pheumonia
Hannah Ackers	Female	White	Widow	Fomale   White   Widow   New Jorsey	99	31	<u>-</u>	Inknown.	10 Unknown Nottawa	St. Joseph. October	October	33	Old age.
			•			1						!	

TABLE 59.—Counties and Tournships from which no Returns of Deaths for 1884 were received by this Department, Showing Population in 1884.

Total									Рор	ս 1 դ	tio	l u	u n e	Population June 1, 1884	1884	:						
Counties   Recture of Total   White   Black and Indian   Indian		Townships from which no							ပိ	lor o	r Ra					İ		Z	Nativity	i		
Received.   Received.   Total.   Tota	Counties.	Returns of Deaths for 1894 were	•	lotal.			White		Mag	k al	Б.	Ind	ian.	: <del></del>	'nkn Colo	r.	Natire.	ڼ	Foreign.		Un- known.	{ *
tal         Hangor         352         201         1,810         4,711         2,895         1,816         8         3         5         30         21         18           Ipewa         McMillan         865         607         346         952         606         346         3         1         2         3         1         2           win         Billings         86         477         399         86         477         399         14         2         3         1         2         3         1         2         3         1         2         3         1         2         3         1         2         3         1         2         3         1         2         3         1         2         3         3         1         2         3		Received.	.latoT	Males.	Females.	Total.	Mules.	Pemules.	.latoT		!			·	blales.	Females.	hiales.	Femsler.	Males.	Females.	Males.	Pemales.
Hangor   Sac 201   151   347   190   148   5   2   3	Total			0.85			2,896	1,816	30	(0)	<del>'</del> -		<u>'</u>	¦	-	-	38.1	080	1,528	715	Si	\$
McMillan         865         607         346         952         606         346         8         1         2           Billings         83         50         83         86         50         83           Cumming         422         278         144         422         278         144           Gumming         162         90         72         162         90         72           Higgins         861         506         343         851         506         343           Onota         228         86         113         107         202         107         96         12	Bay	Bangor	88	, ig	151	34.7	86	148	20	65	60		<del>!                                    </del>	<u>                                     </u>			137	35	8	6	_	:
Grayling   Stayling	Chippewa	McMillan	355	607	348	952	80	346	100	_	CS.	_ <u>:</u>		<u>:</u>			155	88	225	2	:	:
Billings.     83     50     33     88     50     33       Reeder.     422     278     144     422     278     144       Cumming.     162     90     72     162     90     72       Higgins.     861     506     343     851     508     343       Surt.     380     238     98     313     222     91     21     15     6       Onota.     220     113     107     202     107     36     12     18     6     12	Crawford	Grayling	946	#1	88	978	477	8	i	- <del>-</del>	$\frac{\cdot}{\cdot}$	· <del>-                                   </del>	- <del> </del>	-			98	87	<b>1</b> 91	8	4	Ŧ
Reeder     422     278     144     422     278     144       Cumming     162     90     72     162     90     72       Higgins     861     508     343     861     508     343       Burt     386     238     96     313     222     91       Onota     280     113     107     306     173     18     6	Gladwin	Billings	88	28	88	88	3	88		<u>:</u>	-	- <del>:</del>		-  -	_ <u> </u>	- :	88	88	17	-	-	;
Cumming 162 90 72 162 90 72 1 162 90 72	Missaukee	Reeder	क्ष	822	¥.	श्च	872	7	i	- <u>÷</u>	<del>-</del>	$\frac{\cdot}{\cdot}$	<del>!</del>	<u>:</u>		- :	149	8	92	7		-
Higglins.     861     508     343     861     508     343       Burt.     380     238     98     813     222     91     21     15     6       Onota.     230     113     107     202     107     36     12     18     6     12	Ogemaw	Cumming	162	8	23	뫮	8	21	Ī	i		$\frac{\cdot}{1}$	<u>i</u>	-:		-	83	31	61	7	-	į
Burt. 386 238 96 313 222 91 21 15 6 Onota. 113 107 202 107 96 18 6 12	Ковсоштоп	Higgins	198	208	343	821	208	8	i	÷	:	$\frac{\cdot}{1}$	<u>-</u>	_ <u>;</u>			822	- 88	23	88	60	-
Onota 113 107 202 107 86 18 6		Burt	88	88	88	818	2	16	i	<u>:</u>	<del>-</del> -					-	4	8	99	29	-	-
	Schoolcraft	Onota	8	113	101	88	107	8	i	- <del>i</del>				-		-	\$	22	8	28	-	į
588 368 175 538 356 175		Thompson	88	88	175	88	88	176	-								176	83	88	9	:	-

## TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

Table 60 shows the townships in which it was reported that no deaths occurred in 1884 and the population of such townships. It seems almost ridiculous to suppose that for an entire year there were no deaths in these townships, some of which have a population of over 1,000, and one (Alcona) a population of 1,722.

TABLE 60.—Counties and Townships in which it is reported that no Deaths occurred in 1884.

	Townships;	Po	pulatio	n.		Townships;	Por	oulatio	on.
Counties.	No Deaths in 1884.	Total.	Males.	Pemales.	Counties.	No Deaths in 1884.	Total.	Males.	Females.
Total		20,330	12,378	7,952					
Alcona	Alcona	1,722	1,138	584	Kalkaska	Cold Springs	128	68	60
Antrim	Starr		129	108		Dover	230	152	78 ~~
	(Arenac		122 339	106 245	Lake	Webber	72 219	40 147	:
Arenac	Whitney		227	92		Brevort	305	178	127
Danata	Almira		216	170 88	Mackinac	Holmes	856 232	446 134	410 96
Denzie	Colfax	179 120	91	43		( Marilla	281	160	121
Charlevoix .	Resort	194	100	94	Manistee	Springdale	108	63	45
Clare			113	83		(Forsyth	146	87	5
Crawford	Beaver Creek	:	107	90 70	Marquette	Richmond	370 105	205	16
<b>0.4</b>	Blaine				Mason	Branch		296	180
	Baldwin		199	146	Midland	Greendale	50	24	26
Arenac  Benzie  Charlevoix  Clare  Crawford  Delta  Emmet	Winona	175 74	100	75 29	   Montcalm	Lincoln	286 1,219	196 °	90 5 <b>6</b> 8
	Bliss		140	114	M'ntmor'cy.	( Albert	80	49	31
	Carp Lake	186	103	83	M number cy.	Briley	2296	125	101
	Gladwin	!	209	24 164		Brooks	300 1.055	177 : 590	123 465
Gladwin	Sage		69	43		Everett	642	352	290
	Tobacco	99	59	40	Newaygo	Goodwill	422	290	132
Huron		1	348	281		s onroe		344	218 235
Iosco	Grant	1	139	81 52		(Colfax	517 128	282	63
20000	Thompson		26	16	Oceana	Otto	159	97	62

TABLE 60.—Continued.

	Townships;	Po	pulatio	on.		Townships;	Pop	pulatio	n.
Counties.	No Deaths in 1884.	Total.	Males.	Females.	Counties.	No Deaths in 1884.	Total.	Males.	Females.
	Damon	260	138	122		(Charlton	206	169	3
	Foster	299	157	142	Otsego	Hayes	201	110	9
•	Hill	30	20	10		(Gerrish	251	193	5
Ogemaw	Horton	228	185	98	Roscommon	Roscommon	161	104	5
	Klacking	284	152	182	Schoolcraft .	Germfask	180	136	4
	Rose	145	76	69		( Hanover	140 <sup>j</sup>	75	8
Ontonagon	Carp Lake	1,117	1,089	48	Wexford	Liberty	206	114	8
	(Elmer	77	43	84	i.		i		
Oscoda	Greenwood	83	39	44	}	l			

TABLE 61.—Exhibiting, for the State and Counties, by Sex, the Number of Deaths returned in each Month of the Year 1984, and the Number of Deaths at each Period of Age.

								Months, 1884.	. 128	j.								₹	Ages in Periods of	표	eri	ods		Years,		88	ا با			!	1
State and anties.	Se x.	Year, 1884.	January.	February.	Мятей.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Under 5.	.01 os d	10 to 12.	15 to 20.	20 to 25.	.06 of 62.1	30 to 35.	40 to 45.	45 to 50.	.66 of 06	.09 of 55	.69 of 09	.07 or 88	.67 ot 07	.08 of 87	.19vo bna 08	Luknown.
	Total	18,056	1,087	1,181	1,421	1,382	1,456	1,286	1.530	1,917	1.877	1,752	1,526 1,	,615	56 7,532	1,007	75	- 82 283	880 7	750 57	578 564	500	0 464	1 518	25	2	629	718	617 7	<del>-2</del> -	363
	Males	9,580	986	610	727	731	7.48	672	2	1.038	66	88	88	85431	3,958	3 493	8	308	8	328	280 281	1297	88	88	88	8	<b>3</b>	2	356	410 152	93
	Females .	8,385	488	567	88	645	769	86	88	698	88	810	989	761 21	3,196	3 514	8	374	<del>2</del> 853	<u>5</u>	288 288	372	88	223	27	88	**	8	381	<u> </u>	107
	Unknown	82	60	7	6	9	11	- <b>x</b> o-	10	10	10	က	4		4 78		:	: 1	$\frac{\cdot}{\cdot}$	$\frac{\cdot \cdot \cdot}{\cdot \cdot}$	: 1		:	-	<u>: i</u>	: !	;	:	: 1	: ;	<b>+</b> ;
	Total	<b>8</b> 2	-		-	23			01	~	¢5			=	<del>-</del> -	80		63	63	<del>-                                    </del>		-		<u> </u>	<del>-</del>	_	:	:	<del>-</del>	<del>:</del>	:
ype	Males	æ	_	-	:		*	:		- [-	65	=		-			-	61	÷	:	:	<del>:</del>	-:-		_	_	- 1	;	÷	÷	:
	Females	- G-		-	-			:	63	ືຕໍ້	i	$\dot{\parallel}$	-	=	<u>-</u>		_	<del></del>	21	+	$\frac{\cdot}{\cdot}$	<del>-:</del> -	·-	<u>.</u>			:	:	=	÷	
	Total	æ	16	器	8	31	88	ॐ	25	8	æ	83	18	8	. 116	æ	4	c	83	13	9	=	10 7	21	<u>*</u>	6	12	19	=	22	2
Allegan	Males	187	6	=	Ξ	15	ĸ	16	01	6	क्ष	क्ष	æ	18	<b>8</b> 5	8	က	က	9	2	_	- -	2 20	<u>.</u>	-	=	22	91	<b>10</b>	<b>.</b>	2
	Females	145	-	15	6	16	21	æ	=	17	83	2	œ	62	<b>\$</b>	3	4	9	17	<b>∞</b>	<b>30</b>	9	60	_	-	<b>.</b>	00	co	9	œ	
	Total	83	Œ	æ	۲-	1	œ.	1-	r.	16	9	1-	_	rC .	8	.5	-	65	9	~	4	•	<u></u>	65	<u>65</u>	_		-	<del>-</del> :-	:	23
Alpena	Males	**	•	Į.	4	oc .	2	ro.	ν.	<b>x</b>	6		-	+	£I .	T.	_	_	4	9	_	<del>-</del>	<u></u>	~		-	-:_	_	÷	$\overline{}$	90
	Fernales .	<b>%</b>	ÇŞ		6	9	т -	C.S		æ.	69	9	-	-	<u>র</u>		Ī	_	N	-	er .	<u>:</u>				_	:	:	<del></del>	;	<b>→</b>
	Total	51	۳.	G)	_	2	63	*	r.	œ	9	=	<u>;</u>	+	<b>≈</b>	3		;-	3,5	-	65	_	<del></del>	77	_	61	-	31	÷	<del>:</del>	
Antrim	Males	85		_	-	69	C5	€र	m	r:	-	2		+	. 17	-	=	<del></del> -	÷	:	es.	_	=	<u>-</u>			;	-	:	<del>:</del>	•
	Females.	ક્ષ		-	:	. S.	_ !_	C5	ĊΣ	ີຕີ	rc.	7	=-	<del>-                                    </del>		35	:		C.S	-	÷	<del></del>	25	<u>.</u> :	<u>:</u>	_	:	_	÷	÷	:
	Total	8.	35	÷1	4		G\$	53		10	n	·c	*C	-	<u>ਜ</u>		1	-	8	70	25	<b>35</b>	<del>-</del> -	<u>:</u>		_	:	-	:	63	_
Arenae	Males	22	•₹	65	G.S	25	_	_	_	8	Ĉί	4	4	<del>-</del>	<u>•</u>		:	:	_	-	01	<u>:</u>	<del>-;-</del>	<u>:</u>		_	:	-	:	≎ł.	_
_	Females.	12		-			_	_	- ▼	Ö	_	_	=		<b>-</b>	<u></u>		=	=	÷	-;	=		_:		-	_	=	-	-:	•

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TABLE 61.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1884.

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	.Visunst.			23		-	80	30	12	23			63	-	-		-	_	_	
	Year, 1884.	151	2	~	-			88				111	8	<b>18</b>	-			<u> </u>	<u> </u>	<b>=</b>
	Sex.	Total	Males	Females.	Total	Males	Females	Total	Males	Females.	Unknown	(Total	Males	Females	Total	Males	Females	Total	Males	Females
	Counties.		Осеапа			Ogemaw			Ontonegon	:			Osceola			Oscoda			Otsego	

	[Total	310	=	র							37	8	ਡ਼ੇਂ	08	30			7		18	O	2	11 9	7	10	15	8	9	6	*	18	•
	Мавен	Ē	=	크		9		23	6	10	25	- 57	?ì	11	21	91		.c	ھ_	13	rt					00	9	13	9	0	30	30
Octawa	Females	137	ස		139				20	0	13	Ξ	<u> </u>	13	00	3		.*		90	7	0	NG.	65	1-	t-	00	Ot	CC.	10	×	25
	Unknown	ઝા	:	;		- 1		_	- 1	-	-		. :	1		35	:	:	_:	÷		-	A.	- "	:	-56	F	1		+	-	
17	Total	ਲ	ຕີ		4		27	91	10		+	<u>t-</u> -	:	1	01	¥				1		H	-	-	:	03	-	1	н	-	+	
Presque Isle	Males	38			-			23	25	02	¥	<u>.</u>		3	1	=		-		1		-	1	-	- 1	05	-		-	1	1	
-	Femules	=	Ġξ	!	_	- 7	1		ë	-	-/	÷:	:		01			-	-:	1	3	-	_		1	1	1	1	1	-	-	
-	Total	. 01	- 3-	- :	3				00	1	00	÷		1	93			- 1		7	-		-	1	1	- 1	1	1	1	1	1	
Roscommon	Males	<b>2</b> 0		-		7		-		7	co	- <u>:</u>	- ;	1	1		- ;	- Vi	-	-	-	- :	-	İ	1	i			t	1	+	
	Females.	61	4	- 10	1	· · · · ·	-	- 0		1	- 2	- <u>:</u>	14	i.	I		60	1		-1	-5	-	4	1	1	Ĩ	4	1	- 5		-	
	Total	<b>₹</b>	B			_		90	7.4	-	88	28	0,4	75		8 411		88	18	48	88	- R	89	0	17	15	8	38	25	83	92	21
	Males	067	33	88	8	30				88	299	23	21	4	8			19 10	16	80	19	10	10 18	8 15	12	10	17	Ξ	18	15	123	9
Saginaw	Females.	88	22					30	18		20	88	88	88	_	3 175		21 15	19	25	200	14	20 12	-1	10	10	=	17	=	00	90	•
	Unknown	6	1		00		-			н	03	Ħ	-1	1		-		1	. 1	- 1	1	- 1		3	- 1	- (	1	*	*	:	7.1	
	Total	286	15		7			18	19	33	98	45	26	S	83	-		19 8	15	125		12		+		9	9	b-	8	15	15	
	Males	153	90	6	13	3 15		00		=	16	8	15	15		1		6	t-	9	9		-		0.5			co	90	-	E-	,
Sanilac	Females.	132	7		13				90	п	10	88	11	6	22	. 50		10 4	00	9	33	2-	10	1 4		1	10	4	1	9	00	
	Unknown	1	-4	100		1	1	1	1	1	1	1	1	1	_		-	1	1	1	;	1	1	1	1	:	-}	-1	1	:	1	
	Total	10	;	- 1	1		01		-	:	1	1	п	45	-			;	1	03	-;	H	-	1 1	-	- 1	1	- 1	;	÷	1	
Schoolcraft.	Males	t-	- 1	- 1	1		1	н	-	-1	-	1	7	-4.	1	_		:	-1	1	1	1	-	-	1	- !	-1	1	*	-	1	
	Females.	50			1		-	- T		1	1	1	:	23	1			1	- 1	63	;	1	1		j	1	- 1	:	:	1	÷	
	Total	336	Π		13		20			11	88	8	22	88	_	3		8	6	6	12	00		90	20	14	6	11	138		17	20
Shiawassec	Males	118	.0		50			00	13	10	15	18	11	11	6			- 80	*	1-	NO.	25	*	. 6	5	10	00	10	1			93
	Females.	8	9	6	20		1+	11	9	9	00	23	10	18	_			9		οt	k-	9	_	10	1	4	Н	9	9	£	E-	æ
	Total	<b>483</b>	88			88		43		52	133	25	99	55	9	206 9		25	16	8	ĸ	14	9 11	1 8	113	=	16	19	16		98	7
1,5	Мален	22	=				16	18	123	16	88	88	2	8	-	2 115		19 14		12	*	10		6 5	8	4-	ab	13	9	1-	15	8
St. Citair	Females.	200	=		123		17	18	6	=	23	119	88	17	16	8		15 11	6	13	=	6	1-	10	*	4	00	8	9	93	11	_
	Unknown	80	.113	_[		-	1	- 14	7.0	-	4	- 5	:	3		3	20			-14	-	-	- 1			- 1			-	1.5	-	٠,

TABLE 61.—CONTINUED.—Deaths by Counties. by Sex, by Months, and by Age, 1884.

				ľ	i	1	Z.	Months,	3, 1884.		j.		-	 ار	1	1	].	AR	Ages in		Periods	Jo	Years,	rrs,	188	ٔ ا	-	-	-
Countles.	Şex.	Year, 1884.	January.	February.	March.	April.	.yak.	Jane.	·Lint	ynEnst.	September,	October,	Мочешьег.	Cnknown,	Under 5.	.01 ot 8	10 to 15.	15 to 20.	.06 or 62	30 to 32.	85 to 40.	GF 01 OF	45 to 55.	.08 of 88	.68 ot 08	.07 ot 38	.67 or 07	75 to 80.	80 and over
	Total	8	23	ક્ષ	22	61	<u> </u>	16	ដ	8	88	7	67	- 55 - 55	02	23	13	-8 -8	- oc	6	<b>6</b>	<b>∞</b>		71 17	-8	22	81	88	88
	Males	158		23	16	Ġ	9	<b>-</b> 9	=	<u> </u>	10	88	61	21	\$	, rc	-	8	8	cc	-20	4	- 01 - 01	7	<u> </u>	3	12	<u>-</u>	32
or Joseph	Females.	147	-	œ	=	13	13	9	L-	16	ક્ષ	18	<b></b>	16 1	83	-	9	20	<u>-6</u>		4	4	63	유 	=	6	10	-	22
	Unknown	-	-	Ī	-		-	÷	+	+	-			÷	=	<u>:</u> -	+	<del></del>	<u>:</u>	- 1	- <u>:</u> -		-	- <del>:</del> -		- [	+	<del>:</del>	÷
	Total	88	21	83	81	র	16	25	11	\$	<b>%</b>	bī	83	8	108	-8	2	14	51	•	2	12	-6	2	Ξ	-	•	60	6
	Males	83	2	22	10	13	1-	<b>∞</b>	1-	œ	ភ	16	=	2	28	2	93	2		7	80	-	4		<u> </u>	-	9	01	+
Tuscola	Females	<u>\$</u>	20	9	<b>00</b>	=	6	23	91	16	17	11	15	 2	\$	œ	10	7.0		61	-2-	20		8 0	≈ 	•	co	_	<b>10</b>
	Unknown	_		-	-	- ;	-	_	<del>:</del>	:	-			:	=	;-	÷				- <u>:</u> -	$\frac{\cdot}{\cdot}$	_:_	<u>:</u> -	<u>:</u>	_ <u> </u>	<u>:</u>	÷	<del>-:</del> -
	Total	86	22	15	13	*5	85	5	22	15	18	11	88	22	25	2	<b>•</b>	=	19 13	9	4	=======================================	7 14	10	<u> </u>	13	9		2
Van Buren.	Males	105	1-	œ	rc.	Ē	91	10	=	<b>o</b> c	x	-	<u> </u>		Ŋ	ON	4	9	-	_	60	4	<u>-</u>	- 3	<b>*</b>	~	<b>80</b>	2	<u> </u>
	Females.	001	rc.	æ	œ	15	27	+	4	i~	01	10	14	- :- 	51	•		-	- <del>6</del> -	٠	=	~~	~ ~	63 	*	•	01	_	-
	Total	<b>8</b> 6	85	88	67	8	8	श	88	88	8	<b>5</b> 5	18	31	٤	5	<b>x</b> -	=	16 15	3	15	=	<u> </u>	<u>~</u>	2	8	8	81	8
Washtenaw.	Males	2	Œ	16	21	18	15	œ	22	-	27	91	88	14	\$	t-	÷ '	 	<u></u>	rċ.	rC.	4	0	6	<b>8</b> 0	=	16	123	12
	Females.	88	18	12	15	18	18	14	=	12	17	=	23		88	*	63	- <u></u>	6	<b>+</b>	2	t-	-	4 14		<b>3</b>	=	9	15 3
	Total	3,357	2	Š	<b>3</b> 62	£	28	Si	£		27.2	22	8 672	198	1,590	98	8	99 15	101	8	901	8	<u>80</u>	 86	115	8	*2	2	
	Males	1,883	117	131	791	83	130	116	83	98	151	156	= = =	181	255	85	<u>*</u>	<u>8</u>	<b>₹</b>	28	8	<u>2</u>	3	4	8	28	23	88	<b>&amp;</b>
wayne	Females.	1,529	107	56	140	110	2	112	162	148	33	28	100	130	超	83	4	- <u>8</u>	3	\$	83	<del>2</del>	<del>*</del>	8	\$	\$	88	88	<b>8</b>
	Unknown	10	-	-	$\frac{\cdot}{1}$		-		:	_		<u>:</u>	<u>:</u>	_:	+	i	<del>:</del>	<u>:</u>	<u>:</u>	<u>:</u>	<del></del>	<del>-</del>	<del>-</del>	<u>:</u>	<u>:</u>	- :	<del>-</del>	:	•
	Total	8	۲	æ	7	<b>→</b>	*	13	15	~	13	۲-	7	~	28	æ	60	<del>- 0</del>	- <del>-</del>	05	_	61	03	_	<u>.</u> :	2	.00	<b>03</b>	_
Wexford	Males	22	ic.	-	<b>6</b> 3	œ.	4	Œ	90	24	-a-	7	<del>-</del>	34	R	69	<b>66</b>	_		_	_	_	05	- 03	<u>:</u>	7	65	:	_
	Females.	\$	\$1	ec	20	- <u>-</u> -	9	ic.	3	10	-=	<del>-</del>	:	-	2	4	_	01	8	-	:	=	<u>:</u>	=	_:	_	-	01	<del>-</del>

#### COLOR OF DECEDENTS IN MICHIGAN IN 1884.

Table 62 shows, that as in 1883, the per cent of white decedents to all decedents, was less than the per cent of white inhabitants to all inhabitants.

The last column of the table, shows that the death-rate is less than the average among the white and mulatto decedents, and greater than the average among the black and Indian decedents. The third column of the table shows the per cent of deaths by sex, among the different races. The largest proportion of males was among the blacks and the least among the Indians.

TABLE 62.—Deaths Returned for the Year 1884, distinguishing the Color by Number and Proportion of each Sex: and by Sex, the Per Cent of Decedents of each Color to Total of all Colors; the Per Cent of Inhabitants of each Color to Total of all Colors; and the Per Cent of Decedents to Inhabitants.

Colors.	Sex.	Population June 1, 1884.	Number of Deaths Returned.	Per Cent of Deaths of each Sex to Total of both Sexes.	Males to 100 Fe- males.	Per Cent of Deaths of each Color to Total of all Colors by Sex.	Per Cent of Inbab- itants of each Color to Fotal of all Colors by Sex, June 1, 1884,	Death-rate—Per Cent of Deaths in 1884 to Population in 1884.
	[Total	<b>a</b> 1,848,898	18,056			100.00	100.00	.98
4331	Males	971,504	9,589	53.35	114.36	100.00	100.00	.99
All colors	Females	877,188	8,385	46.65		100.00	100.00	.96
	Unknown	206	82			100.00	100.00	
	[Total	1,825,769	17,602			97.49	98.75	.96
****	Males	959,481	9,353	53.26	113.95	97.54	98.76	.97
White	Females	866,278	8,206	46.74	·	97.89	98.76	.96
	Unknown	10	41		,	50,00	4.85	
	(Total	6,848	125		l	.69	.37	1.88
Black	Males	3,689	78	62.40	165.96	.81	.38	2.11
	Females	3,159	47	37.60		.56	.36	1.49
	[Total	8,267	76			.42	.45	.92
Mulatto	Males	4,211	44	57.89	137.50	.46	.44	1.04
	Females	4,056	32	42.11	; ;	.38	.46	.79
	(Total	6,861	167	 	,	.92	.37	2.48
•	Males	3,553	88	53.01	112.82	.92	.37	2.48
Indian	Females	3,308	78	46.99		.93	.38	2.36
	Unknown		1		,	1.22		
	[Total	1,083	86			.48	.06	7.94
	Males	500	28	56,52	130.00	.27	.05	5.20
Unknown	Females	387	20	43.48		.24	.04	5.17
	Unknown	196	40		·····.	48.78	95.15	
	[Total	15,115	201	ļ		1.11	.82	1.33
'}	Males	7,900	122	60.70	154.43	1.27	.81	1.54
	Females.	7,215	79	39.80		.94	.82	1.09

Asiatic males

TABLE 63.—Exhibiting, by Number and by Sex, for the State and Counties, the Color of Decedents, returned for the Year 1884.

	<b>A</b> 11 (	Color	s, 1884.		Whit	e.		1	Blad	ck.		1	Mul	atto	o.	1	ndi	an.	:	U	ıkn	own.
State and Countles.	Totals.	Males.	Females. Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Males.	Pemales.	Unknown.	Totals.	Males.	Females.	Unknown.	Totals.	Malen.	Fernales.
State	18,056	9.580	8,385 82	17,602	9,353	8,208	41	125	78	47	!	76	44	322		167	88	78	1	86	26	20 4
Alcona	18	9	9	13	5	8		· . • •								5	4	1	· .			!
Allegan	332	187	145	321	184	137	٠.	2	1	1	١	1	1		 	8	1	7		<b></b> .	•••	-
Alpena	92	56	<b>36</b>	. 92	56	36				• • •	,i			:	!				٠- ِ			-
Antrim	51	28	23	50	27	23						1	1									
Arenac	30	24	15	30	18	12	٠	!  ,	اا				ا'			8	6	8				-
Baraga	30	16	14	23	12	11	!	!		- <b></b>						7	4	3				ļ
Barry	138	90	68	158	90	68		ļ			,		' ; ,•					 ;				
Вау	592	299	293	584	295	289	١	2	2		ا					6	2	4				-
Benzie	39	15	24	39	15	24	: 	!!					اـــا		!				١			.
Berrien	. 289	152	134 8	263	142	120	่า	6	3	3		1		1					 	19	7	10
Branch	232	115	115 2	. 232	115	115	2	; ,'	·										! 			
Calhoun	444	210	204 30	401	199	199	3	10	5	5	اا	4	4						!	29	2	j\$
Cass	181	97	83 1	167	92	74	1	2,	1	1		12	4	8	:  :							'    j
Charlevoix	. 86	40	46	73	35	38		;								13	5	8	! ·'			
Cheboygan	79	43	36	76	42	34	!	1	1	1	!		١			2	1	1	I ;			<u> </u> -
Chippewa	50	:27	<b>:3</b>	45	23	22	٠	,			اا		ļ <u>.</u>		اً ۔ ۔ ا	5	4	1				 
Clare	; 44,	26	13 5	42	26	13	3	:				<b>.</b>	!		]			ļ	1	2		
Clinton	213		93	212	120	92		1		1						;		l			i	المتا
Crawford	7	3	4	7	3	4	ļ	!'			!		1	ļ	ا .۔.:			İ			ĺ	
Delta	93	48		93		45							i	! 				 		<b>.</b>		! !
Eaton	. 288	144		288	144	143	1	: 1					: []					l			ļ	ļ;
Emmet	99	44	55	60	22	38		١						l		39	22	17				
Genesee	1 297	162	135	294	161	133	!	2	1	1	<u>.</u> !	1		1							l	
Gladwin	8	2	6	8	. 2	. 6	٠	ا!		·				 					اا		:	
Gr. Traverse	95	54	40 1	95	54	40	1				_			 			 				l	
Gratiot	200			200	101	99	١	! ! 			1				اا			l			: <b>-</b>	ļ,
Hillsdale	1			304		143	!								<u> </u>					3	2	
Houghton	İ		1	254		113	i			 ا			İ									
Huron	233		1 .		į .																• 	
Ingham	353	1	•			180		1				2	2					ļ				
auguani	335	110	100	(PE)	101				. *			~	~		1	!	 !	į	!			]

TABLE 63.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

	All C	olors	, 188	4.	V	Vhite			3	Bla	ck.		M	ula	tto		1	Indi	ian.		U	nkn	owi	n.
Counties.	Total.	Males,	Females,	Unknown.	Total.	Males.	Femples.	Unknown.	Total.	Males.	Permiles.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Tribnown
Ionia	228	99	129	7-	228	99	129	-																-
Iosco	76	47	29		76	47,	29											24.4						
Isabella	163	70	.93		141	59	82										22	11	11	2.				
Jackson	355	183	172		350	180	170		3	1	2		2	2	1									1
Kalamazoo	325	181	144		315	178	137		2	1	1		8	2	6							194		l.
Kalkaska	36	21	15		36	21	15					1												
Kent	633	343	290		625	338	287	2,0	6	4	2	1	1		1						1	1		
Keweenaw	44	29	15		44	29	15					ļ.,												1.
Lake	35	19	16		35	19,	16																	1.
Lapeer	262	132	129	1	258	129	129		1	1			1	1				la:			2	1		l
Leelanaw	79.	42	37	6.1	68	36	32								1		1							l.
Lenawee	379	178	200	1	374	174	199	1	3	3					1					1.				Į,
Livingston	132	75	57		132	75	57					1												l.
Mackinac	55	35	18	2	44	30	14	1	1	1		1	100					3	4	1	2	1		١
Macomb	343	176	167		343	176	167					i.												١
Manistee	176	104	72		176	104	72								1700									1
Manitou	7	3	4		7	3	4						1.3		lane.									ĺ.
Marquette	379	230	159		379	220	159																	ĺ.
Mason	101	53	48		95	49	46										6	4	2					ĺ.
Mecosta	145	86	59		144	85	59		1	1														1
Menominee	169	101	68		169	101	68	1										1						i
Midland	69	37	32		69	37	32													χ.				ĺ
Missaukee	43	21	90		43	21	22	18								30								l
Monroe	- 1	162	138		299	162	137	1					1		1	ľ								i
Montcalm	307	177	130	111	303	174	129	(in					2								2		1	r
Montmoren'y	2	1	1	111	2	1		-													Ü			-
Muskegon	387	207	179		385	206	178	0.					2	1						1				1
Newaygo	72	42	30		72	42	30							1.5						1				1
Oakland	355	185	170	111	353	184			2	1	1	0-1			1.									1
Oceana	151	79	72	j.	148	78		6.,		1		) :					1		1	10				
Ogemaw	15	7			15	7			10			1 :					1	3***	ı.Î	Į.				
atonagon	28	15		1	28	15		1						***	LBTI					1			25.1	
B	117	62			117	62		•								•								
	14	7		Ĭ	14	7							1	• • •				:						
****	24	14		Ĩ	24	14	10		!			1				:		•••						,
1	810	171	137		810	171		!				į							!		i			1
	34	28	11	1	34	23											• • •	• •		• •	\	Ï	/	1

# VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 63.—Continued.—Deaths by Counties, by Color, and by Sex.

	All (	Colors	, 1884	ł. -		Whit	æ.			Bla	ck.		M	uls	itto	<b>).</b>	I	ndi	an.		Un	kno	WD.
Countles.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Malen.	Pemales.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Malen.	Femalos.
Roscommon .	10	8	2		8:	7	1	. – :				!;					2	1	1		i	· -	- 
Saginaw	894	490	395	9	879	481	389	9	2	2			1	1			12	6	6				
Sanilac	296	153	132	1	286	153	132	1													. <b></b> .		
Schoolcraft	10	7	3		8	6	2				<b>.</b>		<b>.</b>	. <b>.</b> .			2	1	1				
Shiawassee	:236	118	108		25	118	107	٠	1		1					٠							<b>.</b>
St. Clair	483	271	200	3	478	269	209		2	2		!		<b></b> .,		٠		. <b>.</b> .			3.		3
St. Joseph	306	158	147	1	303	156	146	1	2	1	1	,	1	1			<b>.</b>			٠.			
Tuscola	268	133	134	1	266	132	133	1	<b>.</b>							٠	2	1	1				
Van Buren	205	105	100		199	101	98		3	1	2		3	3			<b>.</b>						
Washtenaw	36.	173	188		353	166	187		6	б			2	1	1						<b>.</b>		
Wayne	3,357	1,823	,529	5	3,344	1,756	1,486	2	58	35	23		26				7	6	1				8 3
Wexford	97	52	45		94	50	44						2	2							1		1

#### NATIVITY OF DECEDENTS IN MICHIGAN.

Table 64 shows, for each of the years 1882, 1883, 1884, and the average for ten years 1874–1883, the number and per cent of decedents of each nativity in Michigan, according to the returns. The average proportion of the native-born decedents for ten years is 79.23, while for the year 1884 it was 78.49 per cent. The average proportion for the foreign-born decedents for the same period of years was 17.93 per cent, while for the year 1884 it was 18.72 per cent.

It has been often stated in these reports, that any attempt to make a comparison of the death-rate by nativity, based upon the total population and the total number of deaths, was unsatisfactory, because the native-born population includes nearly all the children, among whom the mortality is very great, as has been fully shown on preceding pages, whereas the foreign-born inhabitants are mostly of the middle ages.

In order to arrive at a more accurate statement of the death-rate by nativity, Table 65 has been prepared, showing the mortality-rate among the native and foreign-born population by periods of age. By this table it appears that for ages up to thirty, the death-rate in Michigan was greater among the native-born; for ages over thirty, the death-rate was greater among the foreign-born males than among the native.

TABLE 64.—Nativity of Decedents in Michigan for the Years 1882-1884, and the Average for Ten Years ending with 1883.

Nativity	Death	s, 1882.	Death	s, 1883.	Death	s, 1884.	Av. for ending v	
of Decedents.	Number.	Per Cent of Total.	Number.	Per Cent	Number.	Per Cent of Total.	Number,	Per Cent of Total.
All nativities	16,425	100.00	16,906	100.00	18,056	100.00	14,583	100.00
Native-born	12,848	78.22	13,077	77.35	14,172	78.49	11,554	79.23
Foreign-born	3,144	19.14	3,383	20.01	3,380	18.72	2,615	17.93
Unknown	433	2.64	446	2.64	504	2.79	414	2.84

TABLE 65.—By Nativity, Sex, and Periods of Age, the Population of Michigan June 1, 1884, the Number of Deaths in 1884, and the Number of Deaths in 1884, and the

	In	Inhabitants of Michigan June 1, 1884.	s of Mi	chigan .	une 1, 1	., 88.	å	aths in	Mich	Deaths in Michigan in 1884	1884.	<u>a</u> !	Death-rate:	ate:	Num O Liv	Number of Deaths to 100 Living.	Deat	1 g
Ages in Years and Periods.	All Nativities	dvities.	Native.	lve.	Foreign.	ig.	All Nativities.	rities.	Native.	<u>.                                    </u>	Foreign.		All Nativities.	Itles.	Native.		Foreign.	ei i
	Plales.	Females.	Males.	Females.	Males.	Pemales.	Males.	Females.	Males.	Pemales.	Males.	Females.	Males.	Pemales.	Males,	Females.	.eslaM	Females.
otal	974,424	879,028	695,490	662,145	272,288	214,669	9,589	8,385	7,399	6,700 1		1,492	88.	8.	1.08	1.01	86.	5
nder 5	114,852	111,116	108,681	105,166	5,972	5,763	8,968	3,196	8,865	3,126	=	28	3.45	2.88	8.56	2.97	88	1.08
<b>5</b> 10.	110,263	107,363	806,908	389,46	13,128	12,491	8	914	184	465	<b>2</b>	3	3.	<b>3</b>	3.	<b>3</b> .	<b>16</b>	ૹૢૼ
<b>to</b> 15.	99,721	96,503	86,116	88,467	13,378	12,858	280	<b>8</b>	88	*	8	*	8	83	8.	8	2	18
<b>to 20</b> .	880,28	91,010	72,783	72,808	18,910	17,897	8	874	98	8	88	88	8	Ŧ.	<b>1</b> 6	3	ei.	ૹ૽
<b>to</b> 30.	190,217	168,177	128,786	115,746	65,028	46,987	780	95	202		8	<b>₹</b>	7	8	₹.	zś.	8	<b>æ</b>
10 40.	139,282	116,888	80,547	74,082	62,389	11,981	261	281	900	<b>8</b>	- -	171	<b>Ş</b> .	 2	.84	25	8	7
i0 to 50.	97,381	86,888	59,017	46,407	43,354	38,674	288	8	188	88	286	183	78	<b>38</b>	4	Ş.	28.	Z,
<b>30</b> to 60.	089,020	56,521	37,028	32,813	30,651	23,550	929	8	**	Ę	267	33	86	8.	8	88	18.	<b>3</b> 8
<b>60</b> to 70	40,743	33,149	28,640	19,918	16,939	13,139	77.5	574	83	328		217	8.	- 22.	8.	1.67	-1	39.
70 to 80.	16,772	13,949	10,801	9,000	5,885	4,899	181	555	470	88	98	195	4.06	3.88	£.85	3.77	4.57	3.88
80 and over	1,034	3,659	2,617	2,377	1,380	1,263	410	986	280	81	8	127	10.16	10.00	9.50	- 78. - 78.	9.58	10.06
Unknown Ages	1,106	320	38	25	62 62	111	3 <u>3</u>	107	8	<b>3</b>	<u></u> -	<b>1</b>	13.74 8	80.57	50.55	51.20	27.7	1.80

TABLE 66.—Exhibiting, by Number and by Sex for the State and Counties, the Nativity of Decedents in Michigan Returned for the Year 1884.

	All 1	Nativi	ti <b>es,</b> 18	84.		Nati	ve.			Forei	gn.		τ	nkno	wn.	
State and Counties.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Pemales.	Unknown.	Total.	Males.	Females.	Taknown
State	18,056	9,589	8,385	82	14,172	7,899	6,700	73	3,390	1,888	1,492		504	302	193	- - 
Alcona	18	9	9		18	7	6		4	1	8	<u> </u>		1		-  - -
Allegan	832	187	145		274	152	122		48	30	18		10	5	5	İ.
Alpena	92	56	36	ļ	68	89	29		23	16	7		1	1		!
Antrim	51	28	23		44	23	21		6	. 4	2		1	1	ļ 	
Arenac	39	24	15	ļ	29	20	9		10	4	6	į	<b></b> .	ļ		 - -
Baraga	30	16	14		17	8	9		2	2			11	. 6	5	1
Barry	158	90	68		141	81	60		11	6	5		6	3	: 3	1
Bay	502	299	293	ļ	453	282	221	i	133	65	68		6	2	4	1.
Benzie	39	15	24		36	14	22	<b> </b>	8	1	2				ļ <b></b> .	١.
Berrien	289	152	134	8	247	128	116	8	20	18	11	١	13	6	7	
Branch	232	115	115	2	192	91	99	2	25	18	12	i	15	11	i 4	į.
Calhoun	444	210	204	30	359	158	174	27	47	29	18	:	38	23	12	ĺ
Cass	181	97	83	1	161	87	73	1	16	. 9	7		4	1	· 3	1
Charlevoix	86	40	46		72	30	42		12	8	4	ļ	2	2		-1-
Cheboygan	79	43	36	 	60	32	28	ļ	18	11	7	١	1		1	1
Chippewa	50	27	23	ļ	29	18	11		20	9	11		1		. 1	
Clare	44	26	13	5	322	19	9	4	5	8	2	!	7	4	2	
Clinton	213	120	93		182	105	77		24	14	10	١	7	1	6	1.
Crawford	7	3	4		7	8	4	 		! '						- -
Delta	98	48	45		73	36	87		19	11	8	i	1	1	 	١.
Eaton	288	144	143	1	257	125	131	1	15	9	6	; ; ;	16	10	. 6	1.
Emmet	99	44	55	! 	88	35	53	! ,	7	6	1		4	. 8	1	1
Genesee	297	162	135		242	133	109		46	23	23		9	6	3	İ,
Fladwin	8	2	6	·	6	1	. 5		1	1	ļ	ļ	1	ļ	1	!
Frand Traverse	95	54	40	1	, 73	43	29	1	14	5	9		8	6	2	
Fratiot	200	101	99		175	87	88		17	9	8		8	5	3	1
Hillsdale	307	163	143	1	272	141	130	1	23	13	10		12	9	3	:
Houghton	254	141	113		174	94	80	,	80	47	33	ļ				١.
Huron	233	102	121	10	156	74	72	10	75	27	48		2	1	. 1	:-
Ingham	353	173	180		303	142	161		37	22	15		13	9	4	į.
onia	228	99	129		194	82	112	,	24	13	11		10	4	6	٠.

TABLE 66.—Continued.—Deaths by Counties, by Nativity, and by Sex.

	All N	ativit	ies, 18	384.		Nati	ve.			Forei	gn.		I	Jnkno	own.
Counties.	Total,	Males.	Females.	Unknown,	Total.	Males,	Females,	Unknown.	Total.	Males.	Females.	Unknown,	Total.	Males.	Females, Unknown.
Iosco	76	47	29		59	38	21		15	7	8	-	2	2	
Isabella	163	70	93		137	55	82		26	15	11				E
Jackson	355	183	172	****	305	153	152		45	28	17		5	2	3
Kalamazoo	325	181	144		266	149	117		51	30	21	44	8	2	6
Kalkaska	36	21	15		30	15	15		5	5			1	1	
Kent	633	343	290		491	270	221		130	66	64		12	7	5
Keweenaw	44	29	15		28	20	8	****	16	9	7	**			VALUE
Lake	35	19	16		29	15	14		5	3	2		1	1	40045
Lapeer	262	132	129	1	198	99	98	1	61	31	30		3	2	1
Leelanaw	79	42	37		67	35	32		12	7	5				*****
Lenawee	379	178	200	1	309	144	164	1	59	32	27		11	2	9
Livingston	132	75	57		110	64	46		21	11	10		1		1
Mackinae	55	35	18	2	43	28	15		6	4	2		6	3	1 2
Macomb	343	176	167		269	140	129		67	32	35	44	7	4	8
Manistee	176	104	72	****	144	80	64		26	20	6	2.0	6	4	9
Manitou	7	3	4		4	1	3		3	2	1		65444		was a fee
Marquette	379	220	159		258	142	116		109	69	40		12	9	3
Mason	101	53	48		80	39	41		20	13	7	-	1	1	+++++
Mecosta	145	86	59		105	60	45	,	37	25	12		3	1	2
Menominee	169	101	68		134	73	61		32	26	6	20	3	2	1-
Midland	69	37	32	444	52	24	28		12	8	4		5	5	alle or
Missaukee	43	21	22		31	11	20		11	9	2		1	1	
Monroe	300	162	138		229	128	101		66	31	35		5	3	2
Montealm	307	177	130		252	140	112		38	23	15		17	14	3 -
Montmorency	2	1	1		1		1	444	1	1		-6			
Muskegon	387	207	179	1	289	157	131	1	93	47	46		5	3	2
Newaygo	72	42	30	****	59	33	26		12	8	4		1	1	
Oakland	355	185	170		275	140	135		73	41	32		7	14	3
Oceana	151	79	72	20.0	127	65	62		20	11	9		4	3	1 -
Ogemaw	15	7	8		12	5	7		1		1	44	2	2 :-	
Ontonagon	28	15	12	1	15	7	7	1	13	8	5				
Osceola	117	62	55		99	51	48	2000	10	9	7		2	2	
Oscoda	14	7	7	1816	.11	ñ	0		8	1	1		1	1	
Otsego	24	14	10		21	38			0	- 3	2				
Ottawa	310	171	137	2	225	127				46	40		4	0	I
Presque Isle	31	23	11		156										
The second second															

	All l	Nativii	ties, 18	884.		Nati	ve.			Forei	gn.		U	nkno	wn.	
Counties.	Total.	Males,	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Pemales.	Unknown.	Total.	Males.	Femules.	Unknown.
Roscommon	10	8	2		7	5	2		1	1			2	2		1.
Saginaw	894	490	395	9	669	362	299	8	211	120	91		14	8	5	1
Sanilac	286	153	132	1	193	113	79	1	92	39	53		1	1		1
Schoolcraft	10		3	1000	7	4	3		2	2	ļ	i	1	1	ļ	İ.,
Shiawassee	226	118	108		194	100	94		25	16	9		7	2	5	١
St. Clair	483	271	209	3	352	195	154	3	125	72	53	i	6	4	2	
St. Joseph	306	158	147	1	256	137	118	1	31	11	20		19	10	9	
Tuscola	<b>26</b> 8	183	134	1	219	111	107	1	45	19	28		4	3	1	!
Van Buren	205	105	100		186	90	96		11	10	1		8	5	3	-
Washtenaw	361	173	188		275	128	149		67	35	32		19	12	7	
Wayne	3,357	1,823	1,529	5	2,518	1,333	1,182	8	766	415	321		73	45	26	2
Wexford	97	52	45	25.	80	41	39		14	10	4		3		2	

TABLE 66.—Continued.—Deaths by Counties, by Nativity, and by Sex.

#### CAUSES OF DEATH, 1894.

The causes of death as returned in Michigan for the year 1884 will be found in the tables which follow. In this department of registration very much depends upon the intelligence and fidelity of those making the returns. It is comparatively easy to ascertain the abstract number of deaths in any community, but the particular causes of the mortality are often more difficult. In 1884, the causes of deaths were ascertained in 16,905 cases of 18,056 deaths returned. In 1,151 deaths, the cause given was either too obscure or returned as unknown.

The causes of death in 1884, classified under the five grand divisions, may be seen in Table 67. The mortality-rate from zymotic diseases was considerably less than it has been for any year since 1878. In 1881, zymotic diseases caused over 35 per cent of the deaths, in 1882 they caused only 28 per cent in 1883 they caused 26 per cent, while for 1884 they dropped down to 25.90 per cent, which was 1.87 per cent less than the average for the ten years 1874–1883, and 9.41 per cent less than the rate in 1881.

The class of constitutional diseases, of which consumption and cancer are the leading representatives, shows an increased per cent over that for 1882, 1883, and the average for ten years. This increase over the year 1883 may be put down to consumption, which shows a much larger number of deaths for 1884.

Local diseases, those affecting the brain and nervous system, also show a slight increase in 1884 over the preceding year. The percentage, as may be seen, is greater than the average for ten years, and greater, in fact, than for any year since 1875.

The mortality-rate from developmental diseases, those from old age and of infants, was also greater than usual, and was 3.92 per cent greater than the average for ten years.

Deaths by violence were less in number and proportion in 1884 than they were in

1883. As compared with the average for ten years the proportion is nearly the same. Among these deaths the following seem worthy of special mention: 67 males and 6 females lost their lives by railroad accidents; 84 males and 20 females committed suicide; 128 males and 22 females were reported drowned; 13 males and 3 females were returned as poisoned; 69 persons were burned or scalded to death; 9 from exposure; 25 from suffocation and strangulation; and 24 persons were murdered.

The proportion of deaths from unknown causes was much less in 1884 than for any previous year. It is also less than the average for ten years, as may be seen by reference to the table.

The months of the year 1884 in which the deaths from all causes and from each class of causes were most numerous may be learned by an examination of Table 68.

TABLE 67.—Number of Deaths returned from All Causes, from each Class of Causes, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes for the Years 1882-1884, and the Average for Ten Years, 1874-1883.

	18	82.	18	83.	18	84.	10 Y	age for ears, -1883.
Causes of Deaths,—Classes.	Number.	Per Cent of Total.	Number.	Per Cent of Total.	Number.	Per Cent of Total,	Number.	Per Cent of Total,
All Causes	16,425	100.00	16,906	100.00	18,056	100.00	14,583	100.00
I.—Zymotic diseases	4,718	28.73	4,397	26.01	4,676	25.90	4,050	27.77
IlConstitutional diseases	2,612	15.90	2,817	16.66	3,095	17.14	2,445	16.77
IIILocal diseases	4,691	28.56	4,923	29.12	5,356	29,66	4,093	28.07
IVDevelopmental diseases	2,067	12.58	2,369	14.01	2,880	15.95	1,755	12.03
VViolent deaths	778	4.74	940	5.56	898	4.97	765	5.25
Unknown and unclassified	1,559	9.45	1,460	8.64	1,151	6.38	1,475	10.11

TABLE 68.—By Months, the Number of Deaths Returned in Michigan from All Causes and from each Class of Causes during the Year 1884.

	Year.				V	font	hs o	f De	ath,	1884				
Causes of Death,—Classes.	1884.	Jan,	Feb.	Mar.	April.	May.	Jane.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Causes	18,056	1087	1181	1421	1382	1456	1266	1520	1917	1877	1752	1526	1615	56
1.—Zymotic Diseases	4,676	224	229	284	259	268	272	427	672	686	569	400	379	7
II.—Constitutional Diseases	3,095	189	201	254	272	301	238	289	275	265	272	266	263	10
III.—Local Diseases	5,356	355	431	467	443	470	368	411	490	449	471	444	541	16
IV.—Developmental Diseases	2,880	217	210	253	232	245	221	212	257	270	281	247	277	8
VViolent Deaths.:	898	43	38	71	82	68	93	92	95	78	80	81	68	1
Unknown and unclassified	1,151	59	72	92	94	104	74	89	128	129	129	88	87	

In the following tables may be seen the mortality from some of the most destructive diseases in each of the five great classes during a period of twelve years. By these tables we are enabled to see what diseases of each class were more than usually fatal and prevalent in 1884. Consumption and cancer, the most fatal of the group of constitutional diseases, may be seen farther on in the report, where each disease is studied separately.

TABLE 69.—Mortality in Michigan from some of the Prominent Zymotic Diseases.—
Twelve Years.

				Diseases.			
Years.	Typhold Fever.	Whooping-cough.	Croup.	Diphtheria.	Measles.	Scarlet Fever.	Small-pox.
1873	677	206	172	217	244	578	90
1874	610	153	142	213	46	440	18
1875	433	101	167	207	184	423	26
1876	428	181	178	811	118	399	76
1877	448	131	164	598	62	404	102
1878	329	132	236	887	16	4.29	6
1879	397	162	278	1,473	167	418	6
1880	513	264	322	1,542	125	370	3
1881	884	142	380	2,063	256	383	82
1882	463	86	349	1,416	150	592	100
1883	439	92	336	1,007	258	673	5
1864	514	160	325	1,065	144	326	3
Average	511	151	254	916	143	453	43

TABLE 70.—Mortality in Michigan from some of the Principal Local Diseases.—
Twelve Years.

			Dise	a.ees.		
Years.	Convul-	Heart Disease.	Bronchius.	Pleurisy.	Peritonitis.	Bright's Disease.
1873	156	327	25	18	9	10
1874	144	340	34	15	8 !	14
1875	164	308	43	14	14	11
1876	185	839	48	19	. 8	2
1877	298	394	42	14	8	35
1878	288	<b>36</b> 8	46	16	, 11 <sup>'</sup>	35
1879	275	451	53	20	16	86
1880	348	482	50	26	12	80
1881	337	518	76	19	90	86
1882	356	562	108	16	21	136
1883	344	684	89	20	16	187
1884	436	718	98	18	í <b>27</b> :	179
Average	278	458	59	18	14	70

TABLE 71.—Mortality in Michigan from Chief Developmental Diseases.—Twelve Years.

			Dise	·ases.		
Years.	Teething.	Still-born Infantile, Premature	Child- birth.	Abortion.	Puerperal Con- vulsions,	Old Age.
1873	106	346	254	9	5	428
1874	89	510	197	7	4	428
1875	71	701	173	10	5	373
1876	77	716	141	7	6	483
1877	66	785	151	6	5	489
1878	60	858	161	7	3	579
1879	40	787	193	12	5	608
1890	49	808	193	6	2	625
1881	84	761	192	. 8		725
1882	83	890	199	9	3	647
1883	55	1,434	221	12	4	726
1884	57	1,462	(#)h)	6	4	795
Average	70	<b>3</b> (15)	191	8	4	576

TABLE 72.—Mortality in Michigan from some of the Prominent Violent Causes.—
Twelve Years.

Years.	Burns and Scalds.	Poison.	Railroad Acci- dents.	Drowning.	Freezing.	Homicide.	Sulcide.	Totals,
1878	88	21	58	107	8	16	39	327
1874	71	21	47	116	5	11	58	324
1875	70	15	33	108	4	17	52	299
1876	66	19	37	172	4	12	54	364
1877	60	21	42	103	1	14	66	307
1878	66	27	46	117	2	11	63	332
1879	64	15	40	122	5	15	59	320
1880	64	22	40	179	8	7	65	380
1881	175	25	75	125	2	15	57	474
1882	57	22	58	140	8	11	62	353
1883	65	33	109	158		15	91	471
1884	69	16	78	150	1	24	104	437
Average	76	21	54	133	8	14	64	866

TABLE 73.—Deaths in Michigan from Brain Disorders.—Twelve Years.

Years.	Softening of the Brain,	Apoplexy.	Paralysis.	Insanity.	Cephalitis and Unspecified Brain Diseases,	Totals.
1873	19	81	170	12	514	796
1874	15	63	169	7	406	660
1875	29	89	170	8	338	634
1876	30	107	230	18	452	882
1877	29	85	246	17	456	833
1878	25	91	241	11	370	738
1879	25	103	262	7	400	797
1880	27	119	278	8	475	907
1881	23	110	258	10	541	942
1882	36	87	357	8	448	936
1883	22	85	345	22	439	913
1884	40	130	397	17	524	1,108
Average	27	96	260	12	447	841

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## DEATHS IN 1884, GROUPED BY PART OF BODY DISEASED.

Diseases of the lungs and bowels stand respectively first and second in order among the groups of diseases given in Table 74, both for the year 1884 and for the average for ten years; and as is seldom the case, the rest of the groups also occupy the same places for 1884 as for the average for ten years.

TABLE 74.—Order of Seven Groups of Causes of Deuths Returned for the Years 1882 to 1884, inclusive, and the Average for Ten Years—1874-1883.

, 18	882.		18	383.		18	884.		Average for 1876	or 10 Ye i-1883.	3a.78, -
Disease of	Number.	Per Cent to all Causes.	Disease of	Number.	Per Cent to all Causes.	Disease of	Number.	Per Cent to all Causes.	Disease of	Number.	Per Cent to all Causes.
All causes.	16,425	100.00	All causes	16,906	100.00	All causes	18,056	100.00	All causes	14,583	100.00
Lungs	3,123	19.01	Lungs	8,299	19.51	Lungs	3,620	20.05	Lungs	2,939	20.15
Brain	1,856	11.30	Brain	1,845	10.91	Bowels	2,453	13.59	Bowels	1,798	12.33
Throat	1,814	11.04	Bowels	1,756	10.39	Brain	2,137	11.84	Brain	1,629	11.17
Bowels	1,724	10.50	Throat	1,389	8.22	Throat	1,425	7.89	Throat	1,268	8.70
Heart	649	3.95	Heart	785	4.64	Heart	<b>922</b>	4,55	Heart	533	3.65
Kidneys	278	1.66	Kidneys	345	2.04	Kidneys	347	1.92	Kidneys	225	1.54
Liver	145	.88	Liver	140	.83	Liver	154	.85	Liver	134	.92
7 groups	9,584	58.35	7 groups	9,550	56.54	7 groups	10,958	60.69	7 groups	8,536	58.46

TABLE 15.—Eleven Geographical Divisions of the State, formed for the purpose of facilitating the study of Causes of Death, with a list of Counties included in each Division.

		Upper Northwestern.	Northern.	Northeastern.	Western.	Northern- Central.	Bay and Eastern.	Central.	Southwestern.	Southern- Central.	South-
	Baraga.	Benzie.	Antrim.	Alcona.	Kent.	Clare.	Arenac.	Barry.	Allegan.	Branch.	Macomb.
	Chippewa Gr. Trave	Gr. Traverse.	erse. Charlevoix.	Alpena.	Lake.	Gladwin.	Bay.	Clinton.	Berrien.	Calhoun.	Monroe.
	Delta.	Leelanaw.	Cheboygan.	Iosco.	Mason.	Isabella.	Huron.	Eaton.	Сава.	Hillsdale.	Oakland.
	Houghton.	Manistee.	Crawford.	Montmorency. Muskegon.	Muskegon.	Mecosta.	Lapeer.	Genesee.	Van Buren.	Jackson.	Wayne.
,	Isle Royal. Manitou.	Manitou.	Emmet.	Ogemaw.	Newaygo.	Midland.	Saginaw.	Gratiot.		Kalamazoo.	
	Кемеепа .	Missaukee. d	Kalkaska.	Oscoda.	Осевпа.	Roscommon.b Sanilac.	Sanilac.	Ingham.		Lenawee.	
	Mackinac.	Wexford.	Otsego.	Presque Isle.	Osceola.		St. Clair.	Ionia.		St. Joseph.	
	Marquette.				Ottawa.		Tuscola.	Livingston.		Washtenaw.	•
	Menominee.							Montoalm.			
•	Ontonagon.							Shiawassee.			
-	Schoolcraft.										
			_								

1 Bangor. \* McMillan. \* All townships. \* Burt, Onota and Thompson. \* Reeder. \* Grayling. † Cumming. \* Billings. No returns of deaths from the following townships:

## DEATHS, 1894, BY CLASSES OF CAUSES, BY DIVISIONS OF THE STATE.

Table 76 affords an opportunity for a comparison of the various geographical divisions of the State as regards rates of mortality.

The table as given below is more valuable than the ones published for the last two years, for the reason that in those tables the population of 1880 was used as a basis, while in this table the present population has been used. For this reason, as might be expected, the death-rate has fallen off considerably in nearly all the divisions, from that of 1883. The northeastern division shows the lowest death-rate for 1884, and the southeastern division much the highest death-rate. In 1883 the divisions showing the lowest and highest death-rate respectively, were the southwestern and northwestern.

The southeastern division, which shows a much higher death-rate for 1884 than any other division, includes the county of Wayne and the City of Detroit, and it may be stated as a fact that the registration of deaths for this division is more full and complete than for any other of the geographical divisions of the State. On the other hand the returns from some of the counties included in the northeastern division, which shows the lowest death-rate, were very incomplete; as may be seen from the fact that for one township of Alcona county (which is included in this division), having a population of over 1,700, it was reported that no deaths had occurred during the year. These things must be taken into consideration in looking over the table.

The largest proportion of deaths in the State at large, was caused by local diseases: the smallest by violent deaths. As in 1883, it will be seen that in the northern part of the State, and also in the southeastern division, zymotic diseases caused the largest proportion of deaths: while in the other divisions, the largest proportion was caused by local diseases.

Table 77 shows the diseases included in each of these classes, and the counties in which deaths from them occurred.

TABLE 76.—Exhibiting, by Geographical Divisions, the Number of Deaths, the Per Cent of Deaths in 1884 to Population in 1884, the Per Cent of Deaths for each Division to Total Deaths for the State, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes.

	Represent-	Death ported		In 184 to	of (	Causes	to D	eaths	n each from phical	all
State and Geographical Divisions.	Population June 1, 1884, Represented by Deaths in 1884.	Number.	Per Cent of Total.	Per Cent of all Deaths I Population in 1884.	Class L.—Zymotic Dis-	Class II. Constitution-	Class III.—Local Dis- eases.	Class V Develop- mental Diseases.	Class V Violent Deaths.	Unknown and Unclassified,
State	1,848,898	18,056	100.00	.98	25.90	17.14	29.66	15.95	4.97	6.37
Upper Peninsular	114,592	1,112	6.16	.97	25.72	10.52	20.41	17.18	10.16	16.01
Northwestern	58,164	536	2.97	.92	25.37	13.06	23.18	21.46	5.78	11.19
Northern	45,868	382	2.12	.83	28.01	18.06	20.16	16.75	4.19	12.88
Northeastern	37,071	251	1.39	.68	21.91	9.96	28.29	12.35	9.16	18.32
Western	226,655	1,806	10.00	.80	26.30	16.72	28.79	15.61	5.81	6.76
Northern Central	54,126	439	2.43	.81	32.35	15.03	28.25	14.81	4.56	5.01
Bay and Eastern	291,361	3,057	16.93	1.05	25.71	16.72	26.69	18.42	5.10	7.36
Central	299,364	2,402	13.30	.80	25.02	18.48	34.68	13.28	4.25	4.28
Southwestern	127,985	1,007	5.58	.79	20.85	22.24	31.58	14.70	6.65	3.97
Southern Central	299,000	2,709	15.00	.91	19.97	19.49	35.14	16.35	4.36	4.69
Southeastern	294,712	4,355	24.12	1.48	30.70	16.97	29.71	15.13	8.38	4.11

TABLE 77.—CAUSES OF DEATH.—NOSOLOGICAL ARRANGEMENT.

Achibiting the Number of Reported Deaths in Michigan, and in each County of the State, during the Year 1884, from Specified (Authoriths Included.) Counties, 1884.

	-							-							_					_	_		-	9
Causes of Death,1884.	.sinte	Alcona.	Allegan.	Antrim.	.эвпэтА	Вагада.	Barry.	Bay.	Benzie.	Berrien, Branch,	Calboun.	Casts.	Charlevolx.	Cheboygan.	Chippewa.	Clare.	Cllaton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	ersverT .16)
All Causes.	18,066	<u>8</u>	끯	- 23	.⊒ 88		158	2005	85 85	88 88	38	181	<b>8</b>		- 23 ·	<del>- 2</del>	213		88	88	8	202	<b>30</b>	8
Specified Causes	16,088	===	319	. 25 . 35		<u>-</u> -	<b>9</b>	267	8	83   83   83	<b>₹</b>	175	8	- <u>-</u> -	4	*	8	-1	4	273	75	8	•	88
Causes not Specified	1,068	-	- <del>2</del>	œ	- <u></u>		2	88	- ão	92	<b>00</b>	83	<u>-</u>	5 18	8		œ		9	15	24	= ;	95	•
CLANSES.	· I	<u> </u>		!		_		· · · -		<u>.</u> -						<del></del>							 	
I. Zymotic Diseases	4,678	8		68	8	. e	র	89	τ.		<b>3</b>	7	8	0. 14	=======================================		28	65	88	28	2	23	*	8
II Constitutional Diseases	3,096	60	81	æ	. E		ਲ	<b>5</b>	<b>₩</b> .	8	_ದ್ಮ_ _ಹ	88	-28	17 11	2	<del>*</del>	**	·	=	\$	22	7	35	13
IIILocal Diseases	5,356		<u></u>	33	7	`.c	88	158	91	- -	- <del>2</del>	57 5	57	2	14 14	11	15	89	15	88	92	107		18
IVDevelopmental Diseases	2,890	0	9	1-	5 10		8	103	- 6	<u>z</u>		88	_= 	2	19	<b>*</b>	22		=	8	2	7		11
VViolent deaths	888	61	18	23		_	1-	28	_	18	<b>6</b>	8	- -	- 	<u> </u>	35	·		20	2	61	23	-	=
Unclassified	· · · · · · · · · · · · · · · · · · ·	-	:	=				ON.	-		· 6 <u>7</u> -	=		·	_		∞ 		•¥	1			_	:
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I1. Miasmatic Diseases	4,630	~	8	19 21	9		\$	168	-		٠ <u>.</u>	-3	8		14 11	11	28	-0×	28	<b>₹</b>	2	25	4	8
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3. Dietic Diseases	<u> </u>	- <del>:</del>		:				:	<del>-</del> :	- :		<del>.</del>	<u>:</u>	_;-							<u> </u>		:	i
4. Parasitic Diseases	13	$\frac{\cdot}{\cdot}$	- <del>:</del>	<u>-</u>		:	<u>:</u>		<u>:</u>	$\div$	- ÷	$\frac{\cdot}{\cdot}$	_;	<u>.</u> ;			<u>:</u>		<u>:</u>				-	i
II1. Diathetic Diseases	747		7		63	-	•	8	<del>-</del>	13	71	88			- N	-	<b>30</b>		01	10	68	æ	:	×
2. Tubercular Discases.	2,348	100	-29	- 9	9 11		88	8	4	-8	- -	27	<u>~</u>	_		 		-	<u> </u>	\$	10	28	26	₩.

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2. Diseases of Organs of Circulation 3. Diseases of Respiratory Organs	1,211	- 54	2 23	×	21	_ es	= =	<u> \$</u>		ਭ ਛ	91	\$ 25	5 13	. +	1 00	- co	<u> </u>	2 20	- 03	2 <del>1</del>		9 %	]	0 %
4. Diseases of Digestive Organs	838		14		 61	35	œ	ริ	æ	===	16	8	t-	00	0)	4				3.	٠	19	-	80
5. Diseases of Urinary Organs	331	- ;	10				*	#	:		00	93	1-	00	7	_					<b>-</b>	13		į
6. Diseases of Generative Organs	왕	- ;	Ot	.  -	Ī	i	:	63	;	-:	;	-	- 1	-	H	i	- ;	-			1			:
7. Diseases of Organs of Locomotion	- 91	- <del>i</del>	- 91		i	÷				:	:	1	1	_£	-60		-;	63		<b>-</b>		33	- ;	i
8. Diseases of Integumentary System	111		0.5	- 			61	01	;		-4	4	<u>.</u> ; -	1				- 61		<u>.</u>		-		-
IV1. Developmental Diseases of Children	1,528	63	п		~~~ <b>~</b>		6	8	. •	뫊	19	- 5			15	01		<u>ee</u> -		- 18	2	22		
2. Developmental Diseases of Women	3		10			-	#	=	-	- 21	*		20	, .	60	63		_:		os	<u>. i</u>	*	:	-
8. Developmental Diseases of Old People	795		61	-			. vo.	2	-	-61	18	52	- oc	2		63	- <b>-</b> -	2	- ,	2 - <u>-</u> -		13	Ī	6
4. Diseases of Nutrition	315	1	-			- <del>†</del> :	· -;-	88	Ä	=	04	00	9	-	-	1	,	_ <u>:</u> _		<u> </u>	<u>:</u>	33		i
V1. Accident or Negligence	797					- :-		ដ		0	80	-	60	**	03			-61		<u>-</u> -		c.		∞
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3. Homicide	*8		;			- <del>:</del>	:		-	+			- 1	1	- 1	- ,				7	1			i
4. Suicide	701	٠.	8			-	~ CN	-	-	1	H	*	1	:	-	-	-	20	1	0.5	;	-	1	·
5. Execution		-				Ť		1	+	1	1	-	1	:	-	i	1	-		1	1	1	1	
6. Violent Deaths	306				1	_	4	6	1	-	01	10	10	-	01	1		-		50	-	05	1	<b>co</b>
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2. Measles	144		1	. !.	Ŧ	÷		8	-	1	1	*	1	1	1	- 1	-	10	_	6	-	7	1	-
3. Scarlatina	88		02	- <u>-</u> -		-;-		#	7	H	-	-	4	9	- 1	1				11	-	1	1	2
4. Diphtheria	1,065		60	-,-		·	<b>—</b> —	14	1	00	11	t-	1	10	63	10	_	9		21	6	120	1	<b>63</b>
5. Quinsy	9		-			- :	- :	1	-	1	1	-	1	-		-	1	1		1	1	1		
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Causes of Death,—1894.  7. Whooping-cough Typhoid Fever 8   Typho-Malarial Fever 9. Erysipelas. 10. Puerperal Fever 11. Carbuncie. 23.	Alcona.	Allegan.			-	-	-														
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19. Rheumatism	:	<u></u> :-			- <del></del>		<u> </u>	_ <b>0</b> \{	60	4	<del>_</del> :	-		-		_; -		+		÷ ;	<del>:</del>
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2. Rachitis	1	1	1	1	1	1	1	1		-	1	1	1	1	- 1	-		- 1	1	1		1	-	1
Sourvy		1	1	1	1	1	1	1	-	1	1	1		-	1	+	-	-	1	1	1	1	1	i
3. Delirium Tremens (Alcoholism)		1	1	1	1	3	1	İ	:	:	1	1	:	:	:	1	1	1	-	:	1	_	1	1
4. Intemperance	6	1	1	1		-	-	1	1	1	:	1	- 1	1	-	1	1	-		-	1	1	1	1
5. Opium Eating		4	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
I.—Order 4. Parasitic.	18	- 1	-	-	- 1	1	1	1	1	1	1	- 1	- !	- 1	1			- !	- !		- 1	- 1		-
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2. Worms.	j-	1	1	-	1	1	1	1	1	-	-	1	+	1	1	1	1	1	1	1	1	-	1	
o. Disease of Scatp	!	1	-	1	-	1	:		1	:	:	1	1	1	1	:	-		1	1	1	!	!	
CLASS II.—CONSTITUTIONAL	3,095	00	81	00	9 13	80	31	104	*	68	2	88	38	17.	-	10	4	32	1 11	1 40	12	7.	05	13
II.—Order I. Diathetic.	747	-	14	02	01	-	8	18	1	13	14	88	9		65	+	-	00	1	01	10	25		-
1. Gout	1	-	1	1	1	1	-	i	t	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1
Anæmia	00	+	- [	1	1	1	1	1	T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dropsy	. 824	:	*	03	04	:	60	6	1	10	4	11	н	03	03	60	-	:		-	203	20	i	•
3. Cancer	. 361	1	6	1	1	-	60	6	1	90	6	15	*	-	-	1	-	1	1	-	00	15	1	-
4. Noma (Canker)	. 87	1	:	1	1	1	1	1	1	1	:	1	-	- }	1	- 1	-	1	-	_}	1	1	1	_
6. Mortification	. 16	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1
IIORDER 2. Tubucular	2,348	8	67	9	9 11	03	83	98	*	99	81	. 22	75	14	6	9	20	57	-	- 6	119	88		01
1. Scrofula	45	-	- :	1	1	1	1	-	;	-	;	4	1	+	-	-	1	1	-	-	1	95	1	1
2. Consumption of Bowels	34	1	Î	-	į	1	1	10		1	- 1	-	95	-	- 1	1	1	1	1	-	-		-	

TABLE 77.—Continued.—Causes of Death, Classified.

											Co	Counties	108	188	84.									
Causes of Death,—1884.	State.	Alcona.	Allegan,	Alpena	- minay	Arenac.	Вагада.	Bay.	Benzle,	Berrlen.	Branch.	Calboun.	Савя,	Charlevolx,	Срероукви.	Chippewa,	Clare,	Clinton,	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.
3. Phthisis (Consumption of Lungs)	2,220	28	19	0	6	11	01	8 8	98	4 48	88	53	81	14	6	9	80	22	1	6	5	19	*	0.5
4. Hydrocephalus	90		-	1	1	-0	4	1	-	1	- A	1	1	1	1	1	i	-	-	1	:	-1	-	
5. Marasmus	4	10.7	1	1	1	-1		1	1	1	H,	1	1	1	4	1	1			1			95	1
CLASS III.—LOCAL DISEAHES	5,356	60	101	37	11	4	10	68 158		10 01	1 88	157	19	10	17	77	11	55	00	15	8	16	101	
IIIOrder 1. Nervous System	1,990	-	40	15	4	ï	-	88	99	4 36	82 28	47	14	9	20	20	6	88	1	1-	4	00	88	- 3
1. Cephalitis	310		00	-	1	1	-;	0.9	*	10	0	-	_		:	1	1	00	1	95	60	1	65	- 1
2. Apoplexy	130	- 1	4	н	-	1	- ;	-		-	01	8	_	-	i	1	1	60	1	1	00	1	10	
3. Paralysis	410		10	r	-	1	- 1	0	00		13	3 17	9	63	i	1	1	10	-	-	0	-	17	
4. Insanity	18		-	1	1	Ť	1	1	1	1	1	1		1	- 1	-	;	1	1	1	1	1		
5. Chorea	*	_ ;	1	1	-	- 1		1	1	1	1	-	1	1	1	1	1	1		- 1	1	-	+	
6. Epilepsy	43	_ :	01	-	1	1		-	-	-	63	95	1	- 1	:	1	-	0.5	-	1	-	- 6	1	
7. Tetanus	35.			-	Ý	1	4	1	- 1	1	- 1	-	1	-	- 1	:	1	1	1	1	:	1	1	- 1
8. Convulsions	436	_;	-	4	1	1	T	-	- 23	i	-		.01	20	1	00	20	65	-	65	0	1	02	
Brain Disease	356		10	1	1	-		8	81	-	-	1.	0.5	-	65	1	60	60	1	05	-	-	10	1
Uropey of Brain	41	_:		1	1	7	1	Y	03	34	-	63	1	1	-	1	1	1	1	1	1	i	1	- 1
10. Spinal Fever	100		*	41	-	1	+	-	25	-	_	-	cs	-	- [	1	1	*	-	1	0	1	per.	- 4
11. Spotted Fever	·	-	1	-	1	- :	- de	-	1	-	1	į	1	:	1	-	1	1	1	1	1	1	-1	1
12. Meningitis	16		:	1	i	-	-	-	1	08	1	1	1	- 1	1	1	1	;	-	1	1	1	1	1
18. Meningitis, Cerebro-spinal	13					Y			1	1	93	1	i	1	-	1	:	1	į	1	1	i	04	
14 Menincitie Spine	Ξ					1												-						

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arditis	70	Ož	1	1	+	1	_	1	00	03	*	10	1	:	1	-	*	1	-	9	1		1
4. Aneurism.	13	i	1	1	:	- 1	1	1	İ	1	1	÷	1	1	+	-	-	- ;	-	-	1	1	1
3. Heart Disease	721	14	*	03	- 1	11	14	1	53	17	8	00	00	03	-	03	8		-	11	3 13	1	60
4. Emboli.		1	1	1	- 1		1		1	1	-	+	+	+	+	1	+	1	1	- 1	1	1	1
IIIORDER 3. Respiratory Organs	1,211	23	=	-	93	11 2	1 46	10	31	16	30	19	4	60	65	н	-00	03	1	14	22	- 1	0.5
1. Epistaxis	1		i	+	1	- 1	1	1	İ	1	1	1	1	+	+	1	- 1				-	1	1
2. Laryngitis	60	- !	1	÷	+	-,	j	1		-	;	1	1	1	1	+	- 1	- ;		-	i	- 1	1
3. Bronchitis.	86	-	-	1	+	1	01	1	05	1	-	1	+	1	1	- ;	1		1	1	03	1	1
4. Pleurisy	19	1	1	1	-	-	0.5	-	1	;	1	-	-	÷	+	+	+	-	1	-	1	i	:
5. Pneumonía.	840	21	t•	-	03	91	88	:	88	=	88	13	60	03	1	-	-		25	I+	2 16	1	
6. Asthma	61	1	=	+	1		05	:	H	63	;	1	÷	+	- 1	1	+	- 1	-	-	80	i	1
7. Lung Disease	178		-	1	1	1	80	1	03	00	=	-	1	-	1	-	1	03		05	8	į	
8. Catarrh		1	-	1	1	1	1	i	1	1	;	i	-	+	1	+	1	-	-	50	1	1	1
IIIOrder 4. Digestive Organs	835	14	10	63	03	91	8 20	60	11	16	8	1-	60	01	4	+	120	-	20	18	5 19	1	
1. Gastritis.	59	-	1	1	-	1	1	1	80	1	03	=	-	-	+	1	00	1	-	-05	03	1	
2. Enteritis	351	00	63	Н	1	25	5 12	1	1	50	30	-	-01	-	00	*	19	-1	-	9	05	1	
3. Peritonitis	52	1	1	1	1	- 1	1	1	*	5.0	-	+	1	÷	1	- 1	:		- 1	- 1	_	;	- 1
4. Ascitis.	60	-	1	1	1	- 1	1	1	1	1	+	1	- 1	+	1	1	1	1		- !	-	1	1
5. Ulceration of Intestines	4	- ;	1	1	1	-	1	1	1	1	i	1	+	+	1	1	+	1	-	-	_	i	- 1
6. Hernia.	88	1	1	-	1	1	-	- 1	-	:	as.	*	7	1		+	1	-	-	1	_	i	1
7. Obstruction of Bowels	67			-									-1	-	-		-						3

TABLE 72.—Continued.—Causes of Death, Classified.

Causes of Death,—1884.	Lintuasusception	Discussos	nita.		MARIN, ELC.	rinary Organs.	2. Bright's Disease of Kidneys.	6. Cystitis 7. Kidney Disease
State.	13	112	0.	118	4 55 8	361	178	2 2 8
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Benzie,				0) 0)				22 -
Berrlen.	11	. 05		. 05		9 1	. 00	00
Branch.	1	0.0		. 00	1	90	+ -	
Calhoun,	60	9		- 00	1 00	123	000	- 100
Cass.	11	06	1	11	. 05	-	100 :	- 0
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Crawford.	11		11	. 03	11	0	01	1 1 1
Delta.				1 1	11			
Eaton.	11			- 05	-	-	20	
Emmet,	11		11	-	111	-	111	11-
Genesee,	11	00	- :	1 6	1	13	4 01	- 0
Gladwin.	7 1	1 1 1		- y - y -		4 4		
	State, Allegan, Allegan, Antrim, Arenae, Antrim, Arenae, Barry, Barry, Berrien, Berr	State. Alcona. Barre. Barre. Barre. Alcona. Colloton.	State.  Alcona.  Alco	State. Alcona. Alcona. Alcona. Alcona. Alcona. Andrino. A	State.  State.  Alcona.  Alcon	State.  25	State.  State.	State.  State.  Allogan.  Allogan.  Allogan.  Allogan.  Allogan.  Allogan.  Allogan.  Allogan.  Charlevolx.

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Overlan Disease			÷	1	1	1	1	1	:	1	1	1	1	-	1	1		1	1	÷	:
Ovarian Tumor	15	-	1	- 7	-	1	-	1	- !	1		- !		-03	1	- 1	;	i	1	i	
2. Disease of Uterus	30 28		1		93	- 1	1		-	1		1	:	05	1	1	1	1	i	1	
8. Hydrocele		_	1	-1	i	+	1	i.		1	1	-	1	1	1	-	1		Ť	Ť	1
III.—ORDER 7. Organs of Locomotion	16		1		-	-	-	1		- 1	- 1			95	- ;	- 1	H	-	05		1
1. Arthritis	60		1	- 1	1	1	- 1	- 1	- 1		1	1	- 1	i	1	- 1	1	1	1	1	
2. Joint Diseases	13		1	-	1	-	-	1	1		1	1	1	45	1	-	-		Ø5	1	1
III.—Order 8. Integumentary System	117 28	-1	- 3	95	Ot	-	-1	-			1			25	_	1			-		-
I. Phlegmon	43 1		1	-	-	- 1	- 1	- 1			. :	1	1	1	1	1	-	1			-
2. Ulcers	7 1	1	1	-	-	- :	- 1	-	-		1	-	1			1	i		i	:	
3. Skin Diseases	00	-	1	+	01	1	+	-	-		1		1	65	1	1		- 1	Ħ.	1	1
CLASS IV DEVELOPMENTAL DISEASES	2,880 3 46 7	5 10	н	18	103	6	54	88	3 29	11	19	100	*	56	-	11	8	12	7	:	17
IVORDER 1. Dev. Dis. of Children	1,528 2 11 4	10	-	6	99	5	35	9 61	7	42	15	01	7	13	1	4	18	10	52	1	<b>!</b> ~
1. Still-born	919 1 5 6	10	-	10	55	60	17.	0 3	3 1	8	5-	-	80	00	1	4	15	8	18	*	10
Infantile	400 1 6	80	1	*	83	-	*	7 12		20	-	-	1	91	-	- 1	20	9	9	1	03
7. Premature Birth	88		ŧ	1	1	1	-	05	-	1	1	1	-	1	1	1	1	- }	-	1	:
3. Cyanosis		1	- 1	-1	1	1	1	-	1		1	-	-	1	1	1	:	1	i	1	4
4. Spina Bifida		1	1	-	i	1	1	1	1	1	1		1	1	1	1	1	1	-	1	1
5. Other Malformations		3	1	-	1	+	-	1	1		-	1	-	1	1	1	1	-	Ť	1	1
6. Teething	156		i	1	9	03	1	-	1	1	1	1	-	ż	-	1	1	1	1	1	4
7. Injury at Birth		1	1	1	Ť	1	-	-	1	1	1	1	1	1	1	j	1	1	i	1	1
IVORDER 2. Dev. Dis. of Women	242 1 5 3		1	*	11	-	02	+	9	10	60	0.5		-	1	0.9	63	- 1	*	1	-
Dysmemorrhen				-	1	1	1	1	1	i	1	1	1	1	3	1	1	1	1	1	ar.
Turn of Life	9	:	1	1	1	:	1	:	1	1	1	1	1	1	1		1	:	1	1	1

TABLE 77.—CONTINUED.—Causes of Death, Classified.

Gladwin.	1 1								
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Cheboygan,	00	1 1 1		4 01	1	1	i	. 01	111
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Cass.	10	00 00	00 00	00 00		03	! "	11	111
Calhoun.	10 11	\$2 82	20 00	8 =	00	-	-		111
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Bay.	=	10 10	8 8	88 55	1-	00 -	- 12	01 00	
Barry.	*	10 10	11		10		11	11	111
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Causes of Death,-1884.	Galillabirità conseguente conseguente conseguente de Aberlian conseguente cons	Day, Dis. of Old People	and Parkitts	legal.	nue.	in lendik	- The state of the	7. Obereie	VOnens 2. In Battle
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VORDER 6. Violent Deaths not included above.	306	9		00	- 1	-	-		-	03	10	10	-	03	-	1	-		-	00	1	64	i	50
UNCLASSIFIED	88	1	-	1		1		93	1	72	1	i	1	1	-		00		05	1	1	1	- 1	1
1. Head disease	*	i	1	1	1	1	1	1	1	43	1	1	i	1	10	1	1	-	1	1	1	1	1	1
2. Hemorrhage	17	1	-	:	-	1	_	-	1	1	1	1	1	1	1	1	21	1	-	:	1	1	1	1
3. Inflammation	#	i	H		:	1	-	-	-	1	-	1	1	1	-	1	-	-	65	-	1	- 1	1	1
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Counties, 1884.

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377         278         278         379         132         65         34.5         176         779         132         65         34.5         176         779         132         65         34.5         176         7         379         101         146         166           377         278         278         278         279         67         360         128         46         367         157         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         11         16         7         7         64         22         69         32         13         81         39         1         66         84         45         11         16         7         7         64         22         69         32         13         81         81         11         146         11         146         11         16         7         7         64         22         10         63         13         23         88         11         14         51         14         45         14         45         <	207         208         205         345         376         456         385         44         35         292         70         379         132         65         345         176         737         136         65         345         176         7         380         136         40         35         296         70         379         101         146         186         176         40         35         296         70 <th< th=""><th></th><th>Johnson</th><th>.સત્તરનામ</th><th></th><th></th><th></th><th>_</th><th>lashella.</th><th>Jackson.</th><th>Kalamasoo.</th><th>Kalkaska.</th><th>Kent.</th><th>Кемееваж.</th><th>Lake.</th><th></th><th></th><th></th><th>• • • • • • • • • • • • • • • • • • • •</th><th>Macomb.</th><th>Manistee.</th><th>Manitou.</th><th>Marquette.</th><th>Mason.</th><th>Mecosta.</th><th>Menominee</th></th<>		Johnson	.સત્તરનામ				_	lashella.	Jackson.	Kalamasoo.	Kalkaska.	Kent.	Кемееваж.	Lake.				• • • • • • • • • • • • • • • • • • • •	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee
207         236         237         236         40         35         236         67         360         128         45         377         124         134	207         236         346         40         36         226         67         360         128         46         377         7         4         36         12         13         4         10         16         16         7         7         64         22         67         360         138         13         66         136         7         7         64         22         69         32         13         81         37         10         68         20         136         14         61         16         7         7         64         22         69         32         13         81         86         13         86         13         86         13         86         86         10         86         30         13         86         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         86         13         8	24	€	N.								. 8	. g	\$	1	· 2			! _	' -		1	32	101	3	
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2. Diseases of Organs of Circulation	=	25	2	10	7	11	-	*	1 00	61	50	28	05	. 13 13		01	13		 65		-6	90				7
2. Diseases of Respiratory Organs	11	51	27	14	8	22	*	2	98	7	20	-	-	17		5 18		1-	24		6	52	<b>*</b>		Ħ	80
4. Diseases of Digestive Organs	п	16	17	п	20	10	H	10	90	83	94	23	-	88		3 15	5 15	-	- 4	13 11		F-	7		00	10
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6. Diseases of Generative Organs	1	35	1	1	-:	1	- 1	1	H	-		1	1	1		7	1	:		03	,	1	1	1	- 1	1
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8. Diseases of Integumentary System	-	*	93	03	05	03	H	1	03	1	1		1	0.5	-	0.5	-	1	-	00	,	-	-{	1	-	15
IV1. Developmental Diseases of Children	13	=	36	42	12	18	0	12	81	19	4 5	29	9	-2		68		- 05	91	88		50	18	16	22	0
2. Developmental Diseases of Women	01	91	01	10	0.9	90	- 1	10	10	*	03	-		00	-	20	-	-	100	9		+	-	00		1
3. Developmental Diseases of Old People.	6	bi	9	15	20	123		24	1 61	22	93	57	-	17	05	53		9	92	20 2	98	13	25	20	ro	00
4. Diseases of Nutrition	1	03	18	1	12	08	-	10	10		-	100	1		-	25	-	1	-	60		9	1	1	i	
V1. Accident or Negligence	*	10	11	00	4	0.5	60		10	9	01	62	1-	4		10		- 00	00	6	. 9	1	*	4	9	*
2. Battle	1	1	1	1	- 0	1	-		-	- 1	1	1	1	- 1	- 1	- 1	1	1	F.		_,	4	1	į	- 1	-1
8. Homicide	1		-	1	+	1	- 1	7	-	1	- !	1	- 1	1	1	-	i	i	-	1		1	1	1	i	
4. Suicide	65	03	03	-	*	4		-	60	10	1		-		1	45	-	1		50		05	- 1	-	•	1
5. Execution	1		1	1	+	4	-1	15	1	*	-	1	1	1	1	- 1	1	1	1	1		31	1	1	1	:
6. Violent Deaths.	0.5	10	14	99	10	20	7	-	10	1	-	6	2 1	9	1	80			25	25	. ,	34	1	4	30	0.5
CLASS I.—ZYMOTIC.	8	19	20	25	98	28	bi	80	88	1 00	11 156		-	- 64	81	89	88	13	8 81	98		95	22	3	5	91
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2. Measles	1	60	1	1	6	*	-		-			1	1	<b>63</b>	1	-	1	į	-	-		80	-	-	100	- 1
3. Scarlatina	6	00		10	9	9		9	80		-	9	1	10	90	22	-	j		-		10	*	45	-	-
4. Diphtheria	-	00	13	23	=	13	12	21	0	20	85	90	1	90	3 10	1	15		6	Z-		33	1	15	00	00
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6. Croup.	60	1	13	93	03	;	93	PI	00	*		2-	1			89	1	1		20	100	00	1	1	00	-

TABLE 77.—Continued.—Causes of Death, Classified.

10   10   10   10   10   10   10   10		-									J	on	Counties,		1884.										
6 Very 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Causes of Death,—1884.	(iratiot.	Hillsdale.	Houghton.			-	-		Kalamazoo.	Kalkaska,	Kent.	Кеweenaw.	Lake.		-		1 1 1 1 1 1 1 1 1					Afteron.	Mecosta.	Menominee,
60	7. Whooping-cough	-		NG	ND.		1		-	i	-	00	1	3	4	1	-	1	-	0.5	1	-		00	
70 Year	(Typhoid Fever	π			*					4		19	1	Ť	1	1	14	63	-	6	-	-		30	
	8. Typhus Fever	4	- 1 -	- 1	- 1	1	1	-			-	-	1	01	Ť	1	1	÷	+		-	- 1	1	1	1
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thra.	10. Puerperal Fever		- 4		-	0.5	-	-	-	80	1	-	-	1	;	1	- 1	- 1	-	-	-	- 1	-	1	- 1
thra.	11. Carbuncle	1	-1	i	0		1	4	1	-	- 1	1	- 1	÷	-	1	+	+	:	1	-	- !	1	- 1	1
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thra.  th	15. Cholera Infantum	1	15		00	22	10	*		*	1	28	*	20	23	-	6	-	:	9	9	-	-		90
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thra.	20. Leprosy					-	1	4.	-	1	1	1	1	1	1	i	-	1	+	÷	+	+	1	1	1
	-Order 2. Enthetic		-				1	1	- !	25	:	- !	1			-	-	- 1	1	+	-:	- 1	- ;	- ;	
(Stricture of Urethra,	1. Syphilis		- ' * '				-	7	1	25	1	1	1	T		1	-	-	-	÷	+	+	1	1	4
	Stricture of Urethra		-		-		1	16.	1	1	i	1	1	Ī	-	1	4	1	1	+	-	-	1	1	1

3. Hydrophobia	:	:	1	100			4		:		1		:			*		1	. 50	:	1	1	1	1	2
4. Glanders.			1	1	1	-	:	!		1	1		į			- 1		1	4	1	1	1	1	1	4
IOhder 8. Dietic	d)	٠ ;	-	- 1	1	1	4	;		- 40	1		i			:		:	-	1	1	1	1	1	:
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2. Rachitis	141			-	1	i	;	1	1		:		:	:	:	1	-	-3.	4	1	1	1	1	i	
Scurvy	1	-	1		1	1	:	1	1	-1		3.		<u> </u>	-	.1		1	:	:	1	1	1	-	:
3. Delirium Tremens (Alcoholism)	1	+	- 1	1	-	1	- ;	i	1	- 1	i	-31.	91	- :	_	j	- 1	- 15	- 1	1	1	1	1	1	
4. Intemperance	1		-	35	1	1	:	i	1	-	1			:	-	1	-			:	. ;	1	1	1	
5. Opium Eating	1	- [	-	-	1		:	į.	-		1	- £	· · · · · · ·	- !-		1			1	i		1	1	1	
IOrder 4. Parasitic			1	-	- 1	1	;	25	1	100	Φŧ	- 1		-	-	1	-	1		1	1		1	1	
1. Thrush	- 6	'	;	d.	1			01	1		1					1		1	_1		;	1	-	-	
2. Worms	1	1			1	1	1		1	í	D)		i	- 1	_	1	4	- 1	-3	1	;	1		-	-1
3. Disease of Scalp	1	1	1	1	1	1	1	1	1	*	į		1		1	1	1	1	1	1	1	1	1	1	1
CLASS II.—CONSTITUTIONAL.	ž	8	88	90	99	00	88	88	62	9	116	00	60	37	10 85	18	10	8	15	65	88	13	22	=	10
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1. Gout.	4	- 1	1	4	1	1	. 1	1	-	+	- 1	- 6	1			4	7	T.	1	1	:	1	1	1	1
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". Dropey	NS.	*	00	4	-	1	0.5	8	8	*	13	12	95	*	- 62	*	-	92	1	:	1	1	00	-	
3. Cancer	7	12	4	7	0	7	4	10	11	1.	80		-	9	1 12	4	-	10	-	1	*	1	*	-	-
4. Noma (Canker)		25	2		1		:	1	1		1	-1	1	- 0	<u></u>	05	-	Φ£	1	-	1	-	-	1	_
5. Mortification	н		1	- Y	89		3	1	1	1	3		-1	76	_	1	1	1	1	1	1	1	1	1	;
II.—Order 2. Tubercular	ર	<b>=</b>	 		8		17	51	<b>1</b> 9	0	28	_ m	44	52	<sup>2</sup> .	` <u>\$</u>	00	46	23	25	25	11	19	0	90
1. Scrofula	71	-:	<del></del>	=	1		1	-	-		10					<u>:</u>	_	112	1	1	i	1	-	1	:
2. Consumption of Bowels		_	<u> </u>		62	87	-	1	-	1	ij.	+	-,-	-	- ,-	21	<u>i</u>			1	1	-	1	1	3
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TABLE 77.—Continued.—Causes of Death, Classified.

Causes of Death,—1884.	dottmit	Hillsdale,	Houghton.	Huron.	Іпкрат.	Ionia.	losco,	Isabella,	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw,	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason,	Mecosta,	Menominee.
3. Phthisis (Consumption of Lungs)	18	28	25	19	43	88	L-	16	48	4	9	1:	100	-	85	7-	29	15	9	4	11	01	50	п	18	6
4. Hydrocephalus.		!	1	1	01	1	1		1 -	1							- 1	1	-		1		1			
5. Marasmus					:	1	-		•	1	:	1		1	1		-			5		1		:	1	:
'LASS IIILOCAL DISEASES	22	116	E	#	121	18	17	49	119	110	9	190	25	6	96	8	25	50	1-	111	42	63	æ	88	31	25
II ORDER 1. Nervous System	88	4	17	120	46	8	t-	83	25	35	00	22	-	*	25	10	45	13	-	9	12	-	3	15	80	10
1. Cephalitis	7	*	10	-	10	5	-	-	*	9	1	11	1		1	1	*	-	1	16	-	1	20	-	.00	
2. Apoplexy	80	93	-	25	3	21	1	-	10	10	1	60	1	1	-	- [	04	+	i	10	1	i	-	1	-	1
3. Paralysis	25	17	23	-	13	6	1	1	17	55	1	10	-	-	10	- [	16	9	1	9			05	0.5	1	1
t. Insanity	-	1	1	-	1	-	-	1	-	1	1	1	1	1	:	1	-	1	1	05	1	1	1	1	i	1
5. Chorea	-	1	1	1	:	1	1	1	1	1	1	1	1	1	-	1	-	1	1	1	:	:	1	1	1	;
6. Epilepsy	-	05	-	i	60	-	1	1	1	25	i	O1	1	1	T	1	1	1	1	-	:	1	1	1	:	1
7. Tetanus	-	1	-	i	1	1	1	1	1	1	i	1	1	1	1	1	1	1	i	1	1	1	1	1	1	1
8. Convulsions	*	1	65	9	03	10	0.5	NG.	-	1	-	9	1	-	11	60	10	=	1	10	1-	-	88	00	1	80
Brain Disease9.	9	12	61	1	10	9	4	-	90	80	н	00	-	-	00	-	Ξ	-	П	85	60	1	1	-	ot	
Dropsy of Brain	1			-	****	-	-	-	20			-		-	43	*	-			03	1	1	-	1	1	1
10. Spinal Fever	14	3	1	1	*0	1	4	20	05	-	1	00	1	1	1		-	:	1	:	:	1	1	93		1
11. Spotted Fever	1	1	1	:	-	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1
12. Meningitis	i	1	1	1	1	1	***		1	-	1	:	:	1	1	-	1	1	1	1	-	:	1	-	:	-
13. Meningitis, Cerebro-spinal	1	-	1		1	1	1	-	-	1	1	-	1	1	1	1	1	:	1	1	1	1	- !	1	:	1
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16. Spine Disease	1	1	1	1	1		:	:	1	1	7		1	1	-	198	1		1	1	3	1	į	*	ì	1	1
II. Spine, Inflammation of	-	1	-	-	1	1	i	1	1	1	í	1	7	- 1	- 1	1	i	1	1	į	į	;	1	1	i	i	- 1
18. Frightened	1	1	1	:	1	-	;	1	1	1	1	-	1	- 1-		1	1	1	:	1	-	1	1	1	1	-	-
IIOrder 2. Organs of Circulation	11	22	5	10	14	17	1	*	88	19	60	88	.03	43	133	**	25	123	1	88	6		8	90	-	9	-
I. Pericarditis.	-	1	1	1	00	-	1	-	7	-	1	60	1	1	01	1	93	1	-	60	-	1	i	i	;		- 1
2. Aneurism	-	1	1	-	i	1	i	1	i	i	1	*	1	:	н	-	1	1	:	1	1	1	1	1	1	1	-
3, Heart Disease	п	22	70	4	=	16	П	50	88	18	00	B	01	1	10	60	19	11	1	83	00		1 8	8	-	9	-
4. Emboli		-	1	1	-	-	1	1	1	-	1		1	:	-		1	-	1	1	-	1	-	1	-	i	- :
II ORDER 3. Respiratory Organs	= ==	25	122	14	98	12	4	14	8	2	- [	3	*	-	17	10	18	-	10	எ	0	1	25		8	9	10 8
1. Epistaxis	-		1	1		1	1	1	i	i	Ì	1	1	1	1	1	1	-	1		1	- 1	1	.!	1	- 1	- 1
2. Laryngitis	-	1	1	1	1	1	:	i	1	1	1	1	1		1		1	i	1	1	- 1	1	i	1	1	-1	- 1
3. Bronchitis.	-	- {	50	-	ce	H	1	1	1	00		95	-	1	-		1	1		-	- 1	1	2		-	-	-
4. Pleurisy	1	- 1	;	1	- 1	- 1	1	1	65	-	1	1	1	- 1	-	-	1	1	1	- 1	- 1	1	1	-	1	1	-
5. Pneumonia	6	15	6	12	18	40	60	12	25	17	-	55	05	-	13	4	7	1-	4	17	6	1	17		9	00	9
6. Asthma		1	1	1	п	-	:	7	1	-	1	-	1	1	1	1	1	1	1	1	1	į	-	-		,	-
7, Lung Disease	1	10	-	05	x	9	1	1	0	25	3	0	-	1	05	1	4	1	1	50	j	1	-	-	-	-	25
8. Catarrh	***	1	1	-	1	1	1	1	1	ì	1	Í	1	:	1	1	1	1	-		1	1		1		-	1
IIORDER 4. Digestive Organs	11	16	17	=	90	10	1	NO	00	83	1	83	*	65	83	60	15	15	-	13	11	i	7		-	9	90
1. Gastritis.	05	23		-	-	H	1	1	05	01	1	01	-	-	-	-	1	-	1	05	-	1	-44	- 10	1	-	-
2. Enteritis	7	10	12	£-	=	-	7	00	01	00	1	10	1	1	10	1	80	0	1	9	01	1	.03		01	00	6 3
3. Peritonitis			1	1	-	1	1	1	-	- 1	1		-	1		1	05	01	1	1	1	1	1	- 1	-	1	- :
4. Ascites	1	1	1	1	1	1	- 1	-	i	1	1	1	1	4	1	4	1	1	1	1	1	. :	1	1	1	1	1
5. Ulceration of Intestines		1	01	1	-	1	1	İ	-	=	1	1	1	1	1	1	H	1	1	1	1	1	1	1	-	1	+
6, Hernia.	1	-	1	1	1	1	1	1	Ì	1	1	-	1	-	60	1	1	1	1	1	i	1	1	1	-	1	-
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TABLE 77.—Continued.—Cuases of Death, Classified.

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The state of the s	<b>,</b> th			Haron.		,- · - · <del>-</del> ;	i	!	Kalamazoo,	Кијказки.	Kent.	Кеwеепаw.	Lake.		· <del></del>	i	i	i		ı- — — — — — — — — — — — — — — — — — — —		l	Mecosta.	Menominee.	Midland.
C.					-:-	<u>                                     </u>	<del>                                     </del>	<del>                                     </del>						<u> </u>	<u> </u>	<u> </u>	<del> </del> : -	<u>                                     </u>	1 :	<u> </u>	<u>                                     </u>	<u> </u>			<u> </u>
Organis  Org	ntest			<u> </u>	<del> </del>		+ +	<u> </u>	<u> </u>			ΤĖ		= :	<del></del> -	- :		+ -	<u> </u>	<del>-                                    </del>		<u> </u>	<u> </u>		: :
Organs.  Org	11. Stomach Diseases.	- <u>i</u> -			4	- <u>:</u> -			<b>≠</b>		60	÷		8	31		.; :	-:-	- 01	<del>-</del> -	- !	· - <del></del>			:_
Corporate Section 1	13. Hepatitis.				<u>: :</u> : :	: :	<u> </u>	<u> i</u>	_		1	$\dot{1}$		$\ddot{}$		$\frac{1}{1}$	: :	<u>: :</u>	<u> </u>	<u>: :</u>	<u> </u>	11			: :
1     5     8     1     2     2     1     1     8     3     1     1     2     1     1     2     1     1     2     1     1     2     1     1     1     3     2     3     3     3     3     4     1     1     1     3     3     6     7     1     1     1     1     1     3     2     9     1     4     1     1     3     2     9     1     4     1     1     3     2     9     1     4     1     1     3     2     9     1     4     1 <td>j Biliary Calculus</td> <td>+-</td> <td></td> <td></td> <td></td> <td>-    </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><del>-   -  </del></td> <td></td> <td><del>-</del></td> <td>-  </td> <td></td> <td>; 33</td> <td>-<del>!</del></td> <td></td> <td>- 🗓 🖁</td> <td><u>-!!</u></td> <td></td> <td></td> <td></td> <td></td>	j Biliary Calculus	+-				-						<del>-   -  </del>		<del>-</del>	-		; 33	- <del>!</del>		- 🗓 🖁	<u>-!!</u>				
Organs.  Org	15. Liver Disease						<del></del>				93		-	- 04	:	~	-:-	:			<del></del> -				_
Organs.     5     8     1     1     1     8     2     1 <t< td=""><td>B. Spleen Disease. If. Bowel Diseases, etc</td><td></td><td></td><td>- 8</td><td>63</td><td>+ +</td><td><u> </u></td><td></td><td></td><td></td><td>: 69</td><td>63</td><td>11</td><td>+</td><td><math>\frac{\cdot}{1}</math></td><td>: ::</td><td>: :</td><td>++</td><td><del>-  </del></td><td></td><td><u> </u></td><td></td><td></td><td></td><td>: -</td></t<>	B. Spleen Disease. If. Bowel Diseases, etc			- 8	63	+ +	<u> </u>				: 69	63	11	+	$\frac{\cdot}{1}$	: ::	: :	++	<del>-  </del>		<u> </u>				: -
Organs.     5     8     1     9     7     8     6     7     19     1     7     8     20     6     1     1     8       of Kidneys.     2     3     1     4     1     2     6     14     3     2     9     1     4     1     1       i, etc.).     2     3     1     1     1     1     1     1     1     1       i, etc.).     2     3     1     1     2     3     1     1     1     1	18. Mouth Disease	-  -	_		<del>-</del>	<del>- :</del> -		<u>.</u>			i		÷		<u>:</u>		-	<del>-</del>	_ <u>:</u> _	_:	<del>-</del>		<u>i</u>		<u>:</u>
nae of Kidneys. 2 3 1 4 1 2 2 6 14 3 2 9 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\circ$	- 1 o	8 1	1 1	<u> </u>		:	į	:	1 1	81	<del></del>	- <del>i i</del>	<b>F</b> :	<del>∞ -</del>	<del>ह्य :</del>	- : : - : :	!	•		<u> </u>		64		<del>-</del> :
etc.).	ase of	ez —			<b>-</b>	┼┷╼	-	:			7 %				01	<u>:                                    </u>				<del>! <u>!</u> !</del>	<u> </u>	<u>: :</u>			: : :
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IIIOnden 6. Generative Organs	177	Øe.	2	- 2	:		14			=	1		- 1	-	=	:	95	+		:	1	:	1
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1. Ovarian Tumor	:	-	- 1	1	- !	1	1		_	-	1		- 1		-	- 7	1		:	- 1	1	;	-
2. Disease of Uterus	1	7	i	F.	3	3	-			1	:		- 1	-	- 1	1	05			1	1	1	
3. Hydrocele.	1	i		1	1	1	1			- 1	1		1		1.7	1	1			1	1	1	
IIIOnder 7. Organs of Locomotion	1	1	- 1	1	1	1	į	-		-	1			-	- 1	1.	i			-	1	į.	1
1. Arthritis	:	1	- 1	1	1	1	1	:		-	1	-	-	1	1	ij.	1			1	1	13	-1
2. Joint Diseases	1		1	1	Į.	1	1		- 1	1	Ī	- 1	_		1	H	1	-	:	-	1	1	Q.
IIIOnden 8. Integumentary System	1	*	01	01	01	-	- 1	94	63	.00	3	1	25	;	23		*	60		1	1	-	
1. Phlegmon	1	-	1	н.	1	-	- 11	23	02	1	1	1	=	- ;	92	i	1	1	7	:	- 1	- ;	-0
2. Ulcers	1	1	1	- 5	-	1	- 1	1	-55	-	1	î	- 1	- 1	- 1	- 1	-	1	1		1	1	
3, Skin Disease	1	60	25	25	-		1	1	1	202	1	1	-	1	- 7	- 4	60	20	1	1	1	-	1
CLARS IV,—DEVELOPMENTAL DISEASES	22	3	250	71 46	37	8	25	219	68	88	9	10	8	21	65 11	4	51	10	15 15	18	83	30 12	07
IVORDER 1. Dev. Dis. of Children	13	11	98	12	12	6	15	81	61	4 55	8	1-	31	00	93	0.5	81	8	20	15	16	ङ	6
1. Still-born	B-	7	16 3	90	80	60	9	11	00	35	. 6	10	10	10	6	~	17	37	40	-	9	11	.00
Infantile	9	7	9	14	=	9	0	=======================================	0	3 18	1	*	=	*	0		*	10	1		10	10	10
Themature Birth	:	i	1	100		:	1	1	+	1	i	1	-	1		7	1.0	-	1	-	1	65	-
3. Cyanosis	**	1	i.	P.	1	-	-		- 1	1	3	1	1	7		1		1	1	7	1	1	:
4. Spina Bifida	i	1	1	7	1	- 1	1	1	- 1	-	1	- 7		1	-	1	- Y	3.	1	:	:	1	
5. Other Malformations	į	1	1	1	4	3	3	7	1.	1.2	1	7	1	1		1	-	1		4	1	1	4
6. Teething	1	1	+	-	1	-	1		1.	95	1	1	1	1	100	1	3	-		6	1	1	- 1
7. Injury at Birth	1	1	1	1	:	Ĭ	1	4	3	1	1	1	1	;	:	i	1.00		:		1	1	1
IVOrder 2. Dev. Dis. of Women	03	91	05	10 2	00	1	10	10	+	11	1	-	90	-	2	1	2	H-	•		.00	-	·
Dysmenorrhea	1	ì	1	1	1	1	-		1	1.7	1	:	1	- 1		1		- 4	<u>:</u>		1	-3	
(Turn of Life	1	1	1	7	7	1	70	1	4-	1.0	1	1	1	÷		1	4	- 4_	<u>.</u>	<u>.</u>		1	1
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TABLE 77.—Continued.—Causes of Death, Classified.

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	Mecosta	03	$\overline{1}$	<b>~</b>	8	i	Ť	æ	4	_	i	93	ij	_	-	<u>;</u>			
	Mason.		<del></del>	33	93	<del>-</del>		-	-	:	95	-	i	-;	i			:	- ;
	Marquette.	-	1 - 1	13	18		•	8	-	i	<del>-</del> <del>-</del>		i			•			-
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	Macomb.	•		8	ន	~	00	22	8	_	<del>-</del>	-	÷	8	_	8			_
	Mackinac.			35	98		i	2	00	:	:	- <u>÷</u>	Ė	0	_	_	-		
	Livingston.		1-1	- 6			÷		4		÷	i	i		:			1	_
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84.	Leelanaw.	-	ĪĪ	93	91	:	ī	~	<b>65</b>		Ė	-	i	=	i	-			-
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les,	Lake.	_ <del>_</del>		03	93	:	<del></del>	9	*	_	· - i			-	-	6		<u>;</u>	
ıntie	Keweenaw.				- : -	Ī	-	23	· ~	21	-			-	_	34	_	_	-
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1	Hillsdale.	ο <b>ર</b>	-	ķī	57	64	31	8	10	ີຕວ່	-	_;	į	œ	63	35			
;	Gratiot.	63	Ī Ī	_ œ_	Ĝ.		- :	_ oc	4	35	-	•		_	_				
	Causes of Death,—1884.	Child-birth	Z. Abortion (Uterine Hemorrhage	IV.—ORDER 3. Dev. Dis. of Old People	1. Old Age	IVORDER 4. Discuses of Nutrition	1. Atrophy and Debility	CLANS V. VIOLBNT DEATHS	V. Orden I. Accident or Negligence	1. Fractures and Contusions	2. Wounds	3. Burns and Scalds	4. Poison	5. Drowning	6. Suffocation.	7. Otherwise	V Orden 2. In Battle	V,-Onder 3. Hombride	1. Murder

V.—Orden 4. Buletde	Ďį.	03	25		-		1	ш Т	*C					-	*	99	_	1	_	00	4	71 —		_	i	
1. Wounds	91	1	â		-		1			-7	-	01	-		-	-		1		-	, p.	_ :		:		_:_
2. Polson		- 1	G		:		-	-10	-26			-	- 1	i	1	_		-		1	- 0	•	<u>:</u>			::
8. Drowning		:	- [		1		1	1	_	- 1	4	1			1		-	1				i		į		_ ;
4. Hanging			-		-		1	-			1000			-	1			1		-	-	:		- 2	i	:
5. Otherwise and not Specified		91	-		01		-		90		7	-		1	1	1	1	1		03		•	63	-	1	:
V: ORDER 5. Execution	- 1	1	i	:	- :		-	1		-	:	1			1		1	- 1	- !				i	- 1		:
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V. Оврки в. Violent Deaths not included above	93	10	17	····	9	60		-	5		-		10			90	90	- 04	03					4		93
UNCLASSIFIED	÷	1		_	08	7	- 1	-	25		-					- 00	0.0	02	-:	1	- 1			- (		:
1. Head Disease	- 1	-	1	1	1		1	1		_			-	-		1	1	1	:	- 1	-1			1	:	
2. Hemorrhage	1	-	-	T	24	- 1	1	-	i	1	-	-	-	-	1		02	-	- 1	- 1	1	1				:
3. Inflammation	1	1	1	-	- !	1	-		03		-	;	- 1				-	02		1	- 1			- 1	-	04
4. Otherwise	4	1	1	- 1	1	- 1	1	1	-	:	:	1	1	:	1	1	- 1	1	1	1	1			- 1	1	:
Causes not Specified	6	10	18	52	15	5 3	10	6 12	13 8	00	90	22	*		8 12	19	_	10		16 1	61	28	•	90	46	2

TABLE 77,-CONTINUED,-Causes of Death, Classified.

	Wexford.	6	84	123			2	88	=	9	1	_ 13	000 27	1	1	1	7	13
	Wayne,	3357	3252	105	2011	1100	997	22	404	112	30		1093	10	-	1	111	446
	Washtenaw.	361	382	98	1	65	67	129	55	15	-		629	1	1	42	17	3
	Van Buren.	309	201	*	8	8	20	69	10	24	1		35	1	1	1	17	88
	Tuscola.	208	251	17	8	8	40	20	\$	14	1	1	88	-	1	1	16	38
	St. Joseph.	306	301	10	3	90	9	111	65	11	1		20	1	ī	1	14	46
	St. Chalr.	488	160	23	:	151	78	128	81	119	60		149	*	-	03	25	20
	Shlawassee,	200	216	10	-	00	30	7.4	88	9	1		69	1	-	1	0	90
	Schooleraft.	10	00	01	-	20	25	1	90	7	-		50	1	-	-	-	05
	Santhar.	286	275	=		2	8	67	9	10	10		88	1	-	-	13	15
	Saginaw.	894	790	106	-	194	151	241	148	20	-		194	1	1	i	31	130
	Roscommon,	10	10	0	- 1	00	-	1	200	0.5	1		05	-	-	1.	:	1
1884	Presque Isle,	38	19	15		:	00	9	30		-		:	1	1	1	0.5	-
OH.	Ottawa.	310	200	11	1	88	22	96	59	19	1		68	1	1	-	14	#
ounties,	Openso.	22	2	1		*	*	20	6	1	1		*	1	1	-	200	*
Jon	Oscoda.	14	12	65		20	9.0	4	25	0.0	-		Db.	-	1100	-	-	06
-	Oscoola.	117	104	13		31	17	30	19	9	26		33	-	+	-	5	25
	Ontonagona	8	25	20		9	20	8	0	05	-		9	200	7	-	-	00
	Ogeniaw,	1.5	10	42		*	7	00	**	1	-		*	1	Pada	1	-	-
	Эсеков.	151	144	7		47	Tie.	40	18	8	1		47	-	19	1	9	22
	Oakland,	300	255	30	1	71	63	114	89	13	14		20	-	27.7	1	18	46
	Zenvike .	12	65	7		16	14	14	11	24	20		14	:	-	-	70	2-
	Muskegen.	387	358	88		1295	56	104	40	19	*		124	-	00	1	18	88
	Montmorency	00	20	day		1	44.64	-	-	The same	-		1111	7	11.00	-	1446	i
	Montosim	307	888	3		8	#	86	47	86	-		90	1	Jeer.	1	11	88
	Monroot.	300	7987	13		78	26	101	104	7	1		17	-	-	1	10	37
	Missanton	43	4	20		10	8		18	200	-		30	1	-	13	*	2
	Channe of Death, 1884.						C. Danger and Co.	- 日本の大学 大学の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	The state of the s			Darente	P Dissipant consequences	de Diseases	ile Digname, proposessioners	4 Paraette Diseases 1111 possibilitation	J. Disthatic Discusses	I, Tglmmqlar Diseases

. Diseases of Nervous System		. 88 =	e 2	<b>∓</b> ∞	2	<b>\$</b> \$	25 4			9 8	: **		8 C	: :	100	8 4		8 2	<b>3</b> 2	3 8	<b>4</b> =	61 23	# 12	131	<b>ac ac</b>
8. Diseases of Respiratory Organs	: co	: 53	8	<u> </u>	οų	•	2	· ;	-	;	•	-	22		1 67			=	88	=	8	2	3	8	-
4. Diseases of Digestive Organs	-	6	-	<b>.</b>	7	19	30		60	4			क्ष	<b>○</b>	- Fi	6		=	2	11	=	22	16	9	2
5. Diseases of Urinary Organs	•	<b>00</b>				9	<del>-</del>	-	8	63	<del>:</del>	-:-	<u>:</u>	<u>:</u>	=	_		6	7	<b>∞</b> 0.	10	<b>t-</b>	Ξ	3	<b>3</b> 2
6. Diseases of Generative Organs.	$\frac{\cdot}{1}$	<u>:</u>	+	<u>:</u>	:	-	÷	$\frac{\cdot}{1}$	:	÷	$\div$	:	<u>~</u>	-	_ <u>:</u>	:			01	-	<b>6</b>	8	~	_	:
7. Diseases of Organs of Locomotion	+				-	;	<del>-</del>		-:	<del>:</del>	-	<del>:</del>		_:_	<del>-</del>			:		:	-	÷	÷	-	:
8. Diseases of Integumentary System		60	63	<del>-</del>	-	93			:		:	-:-	-	<u>.</u>		61		-		_	61	91	10	\$	_
IV1. Developmental Diseases of Children	- <del>-</del> -	87		<u>8</u>	•	ձ	0.	ā	61	=	-		28		<b>8</b>	88	01	=	88	33	83	9	18	270	6
2. Developmental Diseases of Women	03	•	8		_	60	8		-	-:		61	<u>.</u>	<del>_</del> :-	=	80		4	6	63	*	-	_	8	63
3. Developmental Diseases of Old People.		138	-	•	63	86	<del>- i</del>		63	80	<del>:</del>		18	- 03	*	8	-	22	83	æ	2		23	8	
4. Diseases of Nutrition	-	8	63			-	64	$\frac{\cdot}{1}$	-:	+	$\frac{\cdot}{\cdot}$	:		<u> </u>	<u>~</u>	01		63	Ф.	-	-	65	90	118	:
V1. Accident or Negligence	-	-	21	•	10		<del>-</del>	$\frac{\cdot}{1}$		+				<del></del>		<b>-</b>		1	=		۲-	ន	40	\$	2
2. Battle	_ <u>;</u>	<del>-:</del>	+		-	-	÷	$\frac{\cdot}{1}$	$\frac{\cdot}{\cdot}$	_ <u>:</u>	$\frac{\cdot}{\cdot}$	<u>:</u>	:	<u>:</u>					Ī			i	÷	-	•
3. Homicide	O1	<u>-</u>		63	-		-	+	÷	÷	-	;-	93	+	- 63					Ì	Ť	÷	-	0	:
4. Suicide					-	9	0\	-	<del></del>	<del>-</del>	$\frac{\cdot}{1}$			<u>-</u> !-	<u> </u>	_	-	1	i	_	60	-	*	2	:
5. Execution	$\frac{1}{1}$	<del>:</del>		<u> </u>	-	-	÷	+	$\div$	<del>:</del>	-:	+	÷	_ :-	<u>:</u>	<u>:</u>				-		÷	÷	:	:
6. Violent Deaths		93	-	<b>*</b>	63	8	<u>01</u>	<del>-</del>	93	-:	=	:		-	2 -	10		*	<b>-</b>	60	4	+	•	*	_
CLARS I.—ZYMOTIC	9	82	- :	83	92	E	\$	<del>-</del>		31	64	<del>-</del>	<u>:</u>		3 194	88		8	151	25	8	88	-8	65 1107 27	72
І.—Онрви 1. Міавтаціс	2	-=	8	21	7	5	4	4		31	* 33	-	<u>:</u>	•	761	88	60	8	140	Z	8	88	8	1088	<b>5</b>
1. Small-pox		-		<u> </u>	_:		Ť	+	:	ON:	-:			<u>:</u>	<u>;</u>	_:.			1	-	Ė	<del>- i</del>	÷	Ė	:
2. Measles	-	<u>os</u>		•	-		÷	-		<del>:</del>	$\div$	<del>-</del> ;			=	es	-	•	0	:		0	-	\$	93
3. Scarlatina	-	6	8	<b>x</b> c		63	-			- ÷	<del>-:</del>		<del>-</del>	<u>;</u>	<u> </u>	<b>63</b>			83	:	63		4	28	<b>~</b>
4. Diphtheria		ଛ	83	<u> </u>	_	83	÷	$\frac{\cdot}{\cdot}$	-;	65	<del>:</del>	-:	-	<u>:</u>	. 15	88	:	2-	#	2	83	•	t-	375	9
5. Quinsy.	$\frac{\cdot}{1}$		$\frac{1}{1}$		-		i	<u>:</u>	÷	-	+	+	<u>:</u>	<u>:</u>	<u>.</u>	<u>:</u>			-	1		$\frac{1}{1}$	<del>-</del>	4	:
6. Croup	_	<b>œ</b>	<b>60</b>		_	_	01	+	$\div$	÷	$\frac{\cdot}{1}$	-	<u>.</u>	<u>:</u>	2	03		₹ 24	13	-	<del>-</del>	60	10	2	:
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TABLE 77.—Continued.—Causes of Death, Classified.

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	Wayne.	8	<u></u>	+	89	∞		-	83		-8	=	: 2	2	12	$-\frac{\cdot}{\cdot}$	و	<b>3</b>	
			6	-	63	_			8		-	20		~		<del>-</del>			
	Washtenaw.	<u> </u>	_		_						•		<u>:</u> _		- 80	_ <u>:</u>		:	
	Van Buren.	9	8						<b>~</b>			80	:						
	Tuscola,					:					7	~							
	St. Joseph.	. –	23		4	-			•	65	10		: 20		8	:		i	
	St. Clair.	-	10	93	3				+	11	8	8	7	98	-	:			
	Shlawasee.	-	23	: -	*				7	61	•				20	:		i	
	Schoolcraft.	•	03								-		: "	:	-			-	
	Sanllac.	30	<b>x</b> 0		8	Ħ			_	2	91	÷	<u> </u>	-		<del>-                                    </del>			
	Saginaw.	=	88		0	-:		-;	-	=	\$	<del></del> i-	: 3	8	8			-	<del>-                                    </del>
	Roscommon,			<del>-                                    </del>	-:	<del>- :</del>	-:	- <u>-</u>		<del>-</del> <del>-</del>	-	:	<del>:</del> :			$\frac{\cdot}{\cdot}$		=	
1884	Presque Isle.	∺		$\div$		<del>-</del> :	_ <u>;</u>		:	$\frac{\cdot}{\cdot}$		- :	$\dot{+}$	<del>-</del>	$\frac{\cdot}{\cdot}$		- :	$\frac{\cdot}{\cdot}$	
T	Ottawa.		-=-	: ::	8	$-\frac{:}{:}$	<del>-</del>	<del></del> ;	-	15	- :	$\frac{\cdot}{\cdot}$	+ =	<del></del>	<del>-</del>	$\frac{\cdot}{\cdot}$		<del>-</del>	
19		_	-	<del></del>			:					<del>_</del> :-	<del>:</del> ;	_	<del></del>	<u>:</u>	<u>;</u>	$\frac{\cdot}{\cdot}$	-:-
<b>a</b>	Oteego.					_:	-:		<del></del> i	_ <u>:</u>			<del>:                                    </del>		_ <u>;</u>	<u>.</u>		<u>-</u> i	
ŝ	Oscoda.	<u> </u>	<u> </u>			_;		_;		- 63	<b>20</b>	- 61	<u> </u>	03	63	<u>.</u>			
	Osceola.						:				_		<u> </u>			<u>:</u>	:		
	Ontonagon.		- == -																
	Ogemaw.		80	<u> </u>		:					_			<u> </u>	:				
	Осевлв.		92		60			:	-	:	2	-	: -		8	:	:	_ :	
	Oakland.	60	92	: -	က	;		-	-	-	8	93	: 2	10	4	i	-	:	
	Newsygo.	-	-		-	-			-		7			34	:				
	Muskegon.		18		4		-		8	16	8	:		7	က	-		-	
	Montmorency	- 1	- <u>-</u> -		-				-		-				-			-	
	Montcalm.	<del></del>	6		<u></u>	÷		寸	4	<del>-</del>	Ξ	÷	<del>-</del>	18	00	÷	— <u>.</u>	÷	
	Monroe.	65	92	<del>:                                    </del>	-	-	<del>- i</del>	-	_	-	90	<u></u> -	<del>; -</del>	9	-	- <u>÷</u>		=	-:-
	Missaukee.	:	4	++	-;	_ <u>-</u> -	-		-;	-;	-9	;	-			- <u>:</u>	-	-	
-		<del>-</del> -		$\div$	- <u>÷</u>	- <del>:</del>	+	$\frac{1}{2}$	$\frac{\cdot}{\cdot}$	<del>-</del>	:	<del>-</del>	; ;	- <del>:</del>		:	-: :		
	Causes of Death,1894.	7. Whooping-cough	Typhoid Fever	8. { Typhus Fever Typho-Malarial Fever.	9. Erysipelas	10. Puerperal Fever	11. Carbuncle	12. Influenza	13. Dysentery	14. Diarrhea	15. Cholera Infantum	16. Cholera Morbus	(Cholera	18. Remittent Fever	19. Rheumatism	20. Leprosy.	IOrder 2. Enthetic	1. Syphilis	Stricture of Urethra Stricture
	1																		

8. Hydrophobia		144				-		-	****		-	****		-		-	-		Ť	1	***	:	:	1	Ì
4. Glanders		1		-	1	-	1	1	1	1	1	1	1	-	-	-	1	-	i	i	1	1	1	1	1
I.—Order 3. Dietic		-	- ;	01		. :	1	1	1	1	1		- 1	1	-		1	1	-	- 1	1	-	- 1	-	*
1. Privation				- 1	1	1	-	1	1	1	1	1	1	1	- 1	1	-	1	1	1	1	i	;	1	1
Purpura		1	-	1	1		-	1	-	-	1	1	1	1	1	-:	1	:	1	-1	1	1	1	1	1
2. Rachitis			1	1	1	-	1	-	1	1	1	-	i	1	-	1	1	1	-	1	:	1	1	-	1
Scurvy		1	-	1	:	1	1	1	:	1	1	1	1	1	1	1	1	4	1	1	-	1	1	7	1
8. Delirium Tremens (Alcoholism)		1	1	1	1	1	-	1	:	1	1	- 1	-	1	-	1		i	1	;	i	i	Ť	1	-
4. Intemperance	-	1	1	91	1	*	:	1	1	1	1	ï	1	÷	1	-	1	:	1	1	i	-	1	1	00
6. Oplum Eating	-	1	1	1	1	:	1		1	1	-	1	1	1	İ	1	1	1	i	÷	i	T	1	-	1
I.—Orden 4. Parasitic	-	1	-		1	1	1	1	1	1	1	- 1	1	-	1	1	-	i	1	01	1	1	-	03	3
1. Thrush	-	1	1	1	1		1	1	1	1	1	1	1	ì	1	1	1	1	1	+	i	1	1	- 1	1
2. Worms.		1	-	- [	-	1	1	1	-	1	1	1		*	1	1	1	i	:	-	1	1	1	03	1
8. Disease of Scalp	-	1	1	1	1	1	1	1	1	-	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1
CLASS II,—Constitutional	6	99	#	98	17	8	25	-	62	17	0.9	7	57	00	1	151	8	03	88	28	8	6	92	25	71 755
II.—Orden 1. Diathetic	•	19	11	18	ţ.	18	9	- 1	1	10	- 1	1	M	05	÷	31	123	1	26	95	H	12	17	11	=
1. Gout	1	+	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ť	1	+	4	1
Ansemia.		1	-	1	1	1	Ī	1	1	1	1	1	:	1	1	1	i	i	1	-	i	÷	+	1	*
Dropey	1	13		t+	*	1	60	1	1	00	1	1	10	65	1	14	00	1	*	=	90	1-	6	9	8
3. Cancer	1	9	•	6	0.5	13	05	1	:	00	1	I	00	1	1	17	00	1	10	10	9	9	-	10	38
4. Noma (Canker)	01	1		05	1	9.5	-	1	1	1	1	1		1	i	1	-	i	-1	90	1	95	-	-;	**
5. Mortification		-	-	1	1	25	1	1	1	1	1	1	1	1	1	1	-	1	1	0.5	1	1	1	7	03
II.—Order 2. Tubercular	40	37	88	88	-4	45	58	-	9	23	24	4	43	-	1	130	55	0.5	88	25	9	25	88	28	146 13
1. Scrofula	1	- 2	-	-	1	1	1	1	1	1	1	1	01	1	1	1	1	1	-	3	-	1	60	-	9
2 Consumntion of Rowels	3			-								1	- 01				1	-	-	1	-		-	-	03

TABLE 77.—Continued.—Causes of Death, Classified.

											Co	Counties,	108	. 18	884.											
Causes of Death,—1884.	Missaukee.	Monree.	Montealm,	Montmorency	Muskegon.	Newayko.	Onkland.	Осевля,	Ogemaw.	Ontonagon,	Osceola.	Oscoda, Otsego,	Ottown.	Presque Isle.	Roscommon.	.waalgag	Sapilac,	Schooleraft,	Shiawasee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	WashtenaW.	Wayne.	Wexford.
3. Phthisis (Consumption of Lungs)	4	37	88		36	E=	=	51	-	60	21	01	4	88	-	130	37		99	88	200	2	88	20 4	48 404	
4. Hydrocephalus	1	1	1	1	1	-	-	1	1	1	- 1	1	1	1	1	1	1	1	1	-	-	-	-	-		03
5. Marasınus	-	1		1		1	1	1	1	1	1	1	1	-	:	1	1	1	1	1		00	4	-	88	000
CLASS III.—LOCAL DISTABES	9	16	æ	-	104	7	114	31	10	60	30	-	20	96	9	1 241		67	1 7	74 12	288	H	78	69 12	876 978	88
IIIOrder 1. Nervous System	-	61	8	1	17	1-	40	55	7	г	10	-:	- 1	98	:	100		32	25	68	3	19	24	61	4	8
1. Cephalitis	1	90	10	-	16	00	45	1-	-	-	+	1	- 1	6	5	-	18	10		-	10	+	01	-	*	-
2. Apoplexy	Ť	1	0.5		-	1	-	-		-	:	-:	- 1	=	:		10		1	-		-	25	3 1	10	-
3. Paralysis	1	6	9	1	4	-	17	91	1	1	01	:	- 2	60	1	-	133	2	-	-	6	8	-	1 2	61	52
4. Insanity	1	1	1	1	- 1	;	-	-	:	1	-	:	1	1	- 1	1	- 1	-	-	-	-	1	-		+	:
5. Chorea	1	-	1	1	:	:	-	1	:	1	1	1	- 1	- 1	- 1	1	1	-	1	- 5	1	1	- 1	1	F	-
6. Epilepsy		-	- 3	1	-	1	22	-	1	1	-	- 1	-	1	- 1	1	-	-	-		-	-	-		-	-
7. Tetanus	À	-}	1	1	-	1	- 0	- 1	- 1	1	1	1	- 1	1	- 1	1	- 1	1	1	1		-	ì	1	*	-
8. Convulsions.	1	1	01	1	10	-	4	60	1	- ;	- 1	+	-	=======================================	00	25		30	1	-	4-	00	10		6 182	95
Brain Disease	1	00	9	1	-	1	1-	10	- 1	:	-	- 1		03	- 1		6	6	-	10	21	13	ž+	9	1-	1 02
Unopsy of Brain	1	1	1	1	-	1	+	1	4	1	3	- 1	-1	1	1	_	-	1		1	-	-	00	,	01	00
10. Spinal Fover	1	80	6	1	63	-	-	10	1	-	-	1		-	+	-	-	-	1	63		-	-		4	10
11. Spotted Fever	-	1	- ;	1	1	:	1	7	-	-:	2	3	- 1	1		1	1	1	1	- 1	- 1	1	- 1	1	:	:
12. Meningitis	- 6	1	1	1	05	:	-	-	1	-		1	1		- !	1	- 1	1	1	*	-	-	:	1	-	:
13. Meningitis, Cerebro-spinal	15	7	;	1	1	1	-	1	-		*	1	3	1	1	:	1	:	1		-	-	:		:	- 0
14, Meningitis, Spinal		60	1		4	-	-	-1	3	-	-	-	-	=	-	-	10	-	14	+	-	-	-	-		-:

	Holy Ank some sult.	September, October, November,	Г пкпоwn.	1888.	1888	1881	1860.	.8781 Call &	Causes of Death.	Under 5. 5 to 10.	10 to 15.	15 to 20. 20 to 25.	.0E or 30.	30 to 35. 35 to 40.	40 to 45.	.65 to 55.	.00 or &&	.07 or 08 .05 to 70. .07 or 07	.08 of 57	So and over.
	51	:	· _:	£ 9	6	· Æ	÷	2 Abortion		: ! :			:			<u>.                                    </u>		i :	<u>-</u>	
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TABLE 77.—Continued.—Causes of Death, Clussified.

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IIIORDER 6. Generative Organs	Ovarian Disease	2. Disease of Uterus	III.—Order 7. Organs of Locomotion	2. Joint Diseases.	III,-Order 8. Integumentary System	1. Phlegmon	2. Ulcers 3. Skin Disease	CLASS IV.—DEVELOPMENTAL DIREASES	IVORDER 1. Dev. Dis. of Children	1. Still-born	Infantile	Premature Birth 3. Cyanosis	4. Spina Bifida	5. Other Malformations	o. teetning	IVOrder 2. Dev Dis. of Women	(Dysmemorrhea 1.) Turn of Life	

TABLE 77.—Continued.—Causes of Death, classified.

VORDER 4. Suicide			E		:	-	· :	:	:	:	2		-	:	-	:	-	3
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3. Drowning				-	:		<u>:</u>			<u>-</u>	-:		_ :	_	. !			
4. Hanging	• · · · · · · · · · · · · · · · · · · ·		- 93 -		<u>-</u>	- :			:		-	_ <del>:</del>	_					-
5. Otherwise and not Specified	3			<u>~</u>		=		<u> </u>		:	- <del>20</del>	-			;			2
VOnden 5. Execution			:				:	- }					_:	_	:			:
1. Hanging	- 1		;	-							:			_ ;			_ !	
V.—Order 6. Violent Deaths not included above	20	  ex	•		31	:	. =	:	-	-	92	 :	<b>*</b>	٠	ė	·	• •	ೆ <b>ಸ</b>
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1. Head disease				- ;						:	. ;	-  -	:		- :	•		<b>-</b>
2. Hemorrhage		1	-	1,			- ;	1			. ;	- :	:			:	_	_
3. Inflammation	1		1	:		31			_						<u>:</u>			-
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	5	.04 ot 28	- 5		88	•
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;	<b>K</b> 98	.32 n 102 j	8	8	3	
1	⋖	12 to 20.	<u> </u>	8	2	
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TABLE 18.—Continued.—Specified Causes of Death.

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TABLE 78.—CONTINUED.—Specified Causes of Death.

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TABLE 78.—CONTINUED.—Specified Cunner of Death.

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TABLE 78.—Continued.—Specified Causes of Death.

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TABLE 78.—CONTINUED.—Specified Coumes of Death.

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6 1 7 1 4 3 " " " 2 2 3 3 1 1 Fracture of Neck. " " " " " " " " " " " " " " " " " " "
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TABLE 78.—Continued.—Specified Causes of Death.

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TABLE 78—Continued.—Specified Causes of Death.

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TABLE 78.—CONTINUED.—Specified Causes of Death.

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TABLE 78.--Continued.—Specified Causes of Death.

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TABLE 78.—Continued.—Specified Causes of Death.

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Females. 2 7 8 2 2 2 2 2 3 35 22 18 25 18 15	
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Females	
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Females.	
Males	Stomach, Rupture of
Females	
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TABLE 78.—Continued.—Specified Caumer of Death.

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5 7 8 2 15 8	8 7 8	7 8 1 8	8	- <del>1</del>	28	•	4 4 6 11	10 8 3 6	5 11 7 28 3	
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TABLE 18.—Continued.—Specified Causes of Death.

		i	İ		Mon	nths,	188	ŧ	!		i			<b>*</b>	Years.	١.							- Res	Ages in	Pe	Periods of	ls o		eare	Years,—1884	₩ ₩	1		1
Sex.	. Yrannat	February.	March	April.	.Yuk	June.	July.	August, Sentember	September, October	October.	November, December,	Tuknown. 1884.		1883.	1881	1880	.6781	Cause	Causes of Death.	L'nder 5.	2 to 10	10 to 15.	15 to 20.	.08 of 62	30 to 35,	35 to 40.	40 to 45.	45 to 50.	.68 or 08	.09 or 66	- 68 of 08 - 07 of 68	.67 or 07	.15 to 80.	Unknown.
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TABLE 78.—Continued.—Specified Causes of Death.

				Ř	ontk	Months, 1884	<b>7</b>						•	Years.							₹,	Ages in Periods of Years,—1884	ä	eric	gg (	of Y	eare	,—18	<b>3</b> 5		
<del></del>	January.	February.	April.	May.	June.	July.	August.	Reptember. October.	November.	December.	Unknown.	.1881	1883.	1881.	l	1880	1828.	Causes of Death.	l'nder 5.	01 01 9	10 to 15.	20 to 25.	.08 of 72	.36 of 06	35 to 40.	40 to 45.   45 to 50.	.66 to 55.	.00 ot da	.65 to 169 .07 to 78	.67 or 07   .08 or 67	80 and over.
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	_ <u>;</u>	_ <u>:</u>	_ :	<u>_</u> :			<u>:</u>	_ <del>:</del>	<u></u>	_	-:	01	4	:	-=	:	8	3 Vomiting	÷	:	<del>-                                    </del>	<u>:</u>	:	=	+	_		:			:
Males	<del>-</del>	<u>:</u>	<u>:</u>	<u>:</u>	=		$\frac{\cdot}{\cdot}$	:		- <del>!</del>	-;	_	=	<del></del>	<del>-</del>	- <del>-</del>	0.5	*	=		<del>-</del>	_:_	<u>:</u>	÷		<u>:</u>	Ξ	i		:	-
Females.	- <u>:</u>	_:	!.	<u>:</u>	-:	=			<u>.</u>	<u>:</u>	-:	=		<u>:</u> ;	-		-	:	÷		_:_	<u>:</u>	<u>:</u>	=		. :	:	i		÷	<u> </u>
Males	:		<u>.</u>		<del>- :</del>		$\div$		_:-	:		<del>-</del>	_~;	÷	$\frac{\cdot}{\cdot}$		<del>-</del>	White Swelling	÷	- :-				<u>:</u>	÷	<u>:</u>	-	÷		$\div$	<u> </u>
Females.					-÷		<del>:</del>	-:	<u>.</u>	<u>;</u>				<del>:</del>	- ;	<del>-</del>	-;	3	-				<u> </u>	÷	<del>:</del>	- <u>:</u> -		i		$\frac{\cdot}{\cdot}$	:
Total	20	- <del>so</del> .	 	-	31	81	- 23	21 17	17 13	3 11	<del>-</del> :	99	83	<u>7</u>	145	384	_g_	162 Whooping-cough	3	=	_ \$\$			<del>:</del>						<del>:</del>	:
Males	01	65	63		=		13_1	2	8 11			12	<b>Ş</b>	. ·	2	119	11	:	8		<del>-</del>	<u>:</u>	:	-:-						<del></del> -	Ξ
Females.	m	<b></b> .	5 1	4	Ξ		14	=	-6	 	<u>:</u>	28	_ 23	<b>₽</b>		145	:3	:	92	۲-	65	:	<u> </u>	<del>:</del>				:			=
<del>-                                    </del>		_ <u>:</u>	_ <u>;</u>	<u>:</u>	;	<u>÷</u>			<del>- i</del>		<u>:</u>	<del>-</del>	-	-:		<del>:</del>		Winter Cholera	- :-	<del>-</del> ;	<del>:</del>	<u>:</u>	_:_	$\frac{\cdot}{\cdot}$	<del>-</del>	<u>:</u>	<u>:</u>	İ		-;	=
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Males	_ <u>:</u>		:		:			-:	<del></del> ;	- <del>-</del>	_:	co	C\$	-	:		æ	3	65	÷	-:	:	:	:	<del>:</del>	<del>-</del>		i	:	:	-:
Females.	:		_:	:	35	_ <u>:</u>	:	_:	_;		==	<del>ر</del> ى	:	24	63	4	4	=	· 60	÷	:	_:	<u>:</u>	$\frac{\cdot}{:}$	$\frac{\cdot}{\cdot}$	<u>:</u>	1	i		-:-	
Males	=	<del>-                                    </del>			<del>:</del>	<del></del> ;	63	<del>- ;</del>	. <u> </u>			60	ಣ	10	4	04		Wounds	<del></del> -	<del>-                                    </del>	-:		<u>:</u>	$\stackrel{\cdot}{:}$	<del></del>	<del></del>			:	<del>- :</del> -	<u>:</u>
Females.	<del>-:</del>		_:						_			-	-;		_		~ <del>~</del>	*	_;	; _;			:	<del>-:</del>	<u>:</u>		:	:	:	-	

Table 79 gives the deaths which occurred during the year 1884 from those causes which have been compiled as "Casualties." As usual, there are some novel causes of death among the number.

TABLE 79.—Deaths in Michigan in 1884, Compiled as Casualty.

Casualty,—Causes as Returned.	No.	Casualty,—Causes as Returned.	No.
Total number tabulated as Casualty in table 78	305	Killed in engine-house	ł .
Accident	123	Killed by fall of hay fork	1
Accidental shooting	24	Killed by falling shaft	1
Caving in of bank	2	Killed by hose cart	1
Choked by peanut shell	1	Killed by a horse	10
Coupling cars	1	Killed by a log	2
Crushed by building	4	Killed by machinery	1
Cut with chisel	1	Killed by mowing machine	1
Dislocation of shoulder	1	Killed in mill	2
Explosion of boiler.	12	Killed in mine	19
Explosion of lamp	1	Killed in saw-mill	11
Explosion of powder	3	Killed by street car	1
Fall	36	Killed in a well	8
Fall from load of hay	1	Killed in woods	8
Falling timber	1	Runaway team	7
Fell in pail of boiling water	1	Run over by wagon	5
Kicked by a horse	12	Thrown from wagon	8
Killed at barn-raising	1		

### STATISTICS OF SUICIDE.

Table 80 shows the deaths by suicide which have occurred in Michigan during the twelve years 1878–1884, and certain details concerning them. The whole number reported for these years was 765: of these 567 were males and 198 were females. The largest number occurred in June and the smallest in February.

The classification by nativity shows that 428 were natives of the United States, 179 having been born in Michigan and 249 in other States; 337 were of foreign birth; and in 55 cases the nativity was not stated. Of the foreign born 146 were from Germany, from Canada, 41 from England, etc.

The classification by conjugal condition shows that 460 were married, 216 were single, were widowed, and the conjugal condition of 34 was not stated in the returns.

regards the manner of death, poison ranks first with 132, hanging second with red by shooting 78, drowning 41, cutting throat 17, severing artery 2, and 882 cases the manner of death was not stated.

repartions, it is shown that the greatest number of suicides occurred re, and next among the laborers and housekeepers, the last named arly all the principal occupations are represented in the list.

						<i>-</i> -	Month of Death.	of De	ath.						•	Sex.		Color.		Condition.	ton.	
Уевгя.	Number,	January.	Pebruary.	March.	April.	.Ynl.	June.	.ջնու	Angust.	September.	October.	Zovember,	December,	Unknown.	Total.	Males.	Femsles.	W.pite.	Married.	Single.	Widowed.	Unknown.
Total	:8:	0	8	13	3	38	. <del></del>	<b>æ</b>	TE.	8	8	78	120	60	387	567	198	765	460	216	:8	85
1873.	85	-	25	25	-	51	-		•~		10	-	1-	-	8	8	8	88	21	13	-	-
1874	 	t-	FD	<del>+</del>	_		 	າວ -	- :	က	÷C	9	9	- :	28	_ ਲ	81	233	8	11	*	*
1875	23	က			+	æ	4	- -	₩	10	က	9	+		28	3	10	22	ಸ	10	:0	10
1876	.‡	e0		· •	L-	1-	æ	21	4	2	9	10	80		Z	<b>3</b>	=	Z	8	22	က	*
1877	3	. ·	٠.	ł-	, +	t -	ro	£	· -	*	31	t-	10	:	8	97	S	8	8	ĸ	<b>05</b>	10
1878	3	10	\$\$ 		13	ۍ. 	<b>σ.</b>	•0	i-	ıç	9	-	<del>-</del>		8	9	23	\$	7	91	7	2/1
1879	92	ස	<b>?≀</b>	4		er.	x	.c	ι-	2	-	<b>+</b>	<u>-</u> -	-	28	<b>9</b>	 69	22	용	19	60	φ¥
1880	<b>.</b>	→	ເກ	æ	æ	<u> </u>	<b>.</b>	 es	4	7	65	<b>9</b>	Ð	-	:3	92	2	:3	8	ଛ	<b>+</b>	~
1881	i.	_	ō			₩.	4	t-	6	7	₹	9	*	:	iē.	3	15	52	₹.	=======================================	 C	c.o
1882.	귏	?≀	ee	<b>→</b>	9	æ	<b>1-</b>	25	t-	٠ <u>٠</u>	7	<b>+</b>	9		2	#	18	광	સ	₹	80	
1883	16	٠ <u>٠</u>	-	۲-	c.	10	æ	==	c.	+	9	16	2		- 16	69	<u>;</u> }	6	28	33	23	
188	101	•	15	į.	æ	•	3	3	3	=	5	•	2		701	- 70	5	2	Ξ	5	•	•

" I Mulatto.

### TABLE 80.—CONTINUED.—Suicidal Deaths.

Means Used.	No.	Means Used.	No.	Means Used.	No.
Cutting Throat	17 41 117	Poison	132 2 73	Starving	382
Total			•••••		765

#### PRINCIPAL CAUSES OF DEATH.

Table 81 shows the 15 diseases which caused the greatest number of deaths in Michigan, in 1884. Consumption heads the list and it has done so during each year of the entire period of registration, excepting only the year 1881, when diphtheria caused the greatest number of deaths.

Diphtheria, as usual, stands second as a cause of death; the other diseases follow in the order given in the table, the order by number of deaths varying more or less from year to year. The most noteworthy changes from 1883 were in cholera infantum and scarlet fever. Cholera infantum, which in 1883 occupied eighth position, rose to fifth position in 1884; while scarlet fever, which ranked sixth in 1883, fell in 1884 to four-teenth place. The other diseases do not vary much from the positions held by them in 1883.

These fifteen principal causes of death represent 57.66 per cent of all the deaths which occurred in 1884, as compared with 56.92 per cent in 1883,—57.13 per cent in 1882, 57.43 per cent in 1881, and 58.02 per cent in 1880.

Most of the causes of death given in this table, together with other details concerning them, may be seen by a reference to subsequent tables published in this report.

TABLE 81.—Mortality in Michigan from Fifteen Principal Causes, as Returned for the Year 1884.

	Specified Causea and Con-		Number	of Deaths	3.	Per Cent Deaths	from eac	h cause to Causes.
Order.	ditions,—1884.	Total.	Males.	Females.	Unknown	Total.	Males.	Females.
. 1	Cansumption	2,198	1,025	1,173		12.17	10.69	13.99
2	Diphtheria	1,065	501	563	1	5.90	5.23	6.71
3	Still-born	919	541	824	- 54	5.09	5.64	8,86
4	Old Age	795	403	392		4.40	4.20	4.68
5	Cholera Infantum	781	435	844	2	4.88	4.54	4.10
6	Pneumonia	767	433	888	1	4.25	4.52	8.97
7	Heart Disease	658	859	298	1	8.64	8.74	8.55
8	Apoplexy and Paralysis	523	288	235		2.80	3.00	2.80
9	Fever, Typhoid	514	261	252	1	2.85	2.72	8.01
10	Convulsions	486	228	206	2	2.41	2.38	2.46
11	Diarrhea	409	241	167	1	2.27	2.51	1.99
12	Cancer	361	173	188		2.00	1.80	2.24
13	Bowels, Inflammation of	350	185	165		1.94	1.98	1.97
14	Scarlet Fever	326	148	178		1.81	1.54	2.12
15	Croup	825	166	159		1.80	1.73	1.90
Tota	al	10,427	5,387	4,977	68	57.66	56.17	59.35
Ail ·	Causes	18,056	9,589	8,385	82	100.00	100.00	100.00

### MORTALITY FROM TEN PROMINENT CAUSES IN 1884.

The number and per cent of deaths in 1884, from ten prominent causes, may be studied in Tables 82 and 83. As usual, diphtheria ranked the highest of the ten diseases included in the tables, although not the leading cause of mortality in the State. Measles occupied the lowest place, which was accorded to whooping-cough in 1883.

Cancer was the cause of 861 deaths in 1884. There were returned 173 males and 188 females, and each year the deaths among females exceed those among males. Only 16 of the deaths were reported at ages under 20, and the disease appears to be especially fatal at ages from 40 to 75.

Season of the year appears to have a very decided influence upon most of the diseases of these tables, and the excessive portion of the mortality occurred in financy and childhood. As nearly all of these diseases are studied on subsequent pages in connection with meteorological conditions, farther examination of them

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TABLE 82.—Deaths from Ten Specified Causes returned for the Year 1884, Exhibiting the Number of each Sex, Total Number in each Month and at different Periods of Age.

		!			Cat	uses of	Death, 1	884.			
3e	x, Month and Age.	Cancer.	Cepha- litis.	Croup.*	Diar- rhea.b	Diph- theria.	Dysen- tery.	Measles.	Scarlet Fever.	Typhold Fever.	Whoop ing Cough
- 1	Total	361	810	325	409	1,065	160	144	326	514	16
}	Males	173	177	166	241	501	82	65	148	261	, 7
3	Females	188	133	159	167	563	78	79	178	252	8
	Unknown		!		1	1				1	
!	January	26	19	23	4	63	4	7	38	22	
	February	21	23	21	4	61		12	42	18	
	March	25	25	27	11	87	1	17	49	19	
ļ	April	29	26	15	8	71	5	22	48	21	
Ì	May	36	23	30	8	70	4	17	32	20	
;	June	25	30	16	20	79	3	22	18	16	. 2
ł	July	35	32	16	71	61	17	12	15	23	1
	August	44	44	19	129	72	35	14	22	43	
	September	37	25	24	87	91	48	7	14	77	. 2
	October	29	28	35	45	121	34	7	14	99	. 1
1	November	27	16	43	12	135	5		14		۱
	December	26	18	55	10	152	4	2	19	58	. 1
İ	Uuknown	1	1	1		2		1	10	~	1
,	Under 5	13	199	263	357	477	115	102		52	14
	5 to 10	1	29	*53	6	380	8	l		41	1
-	10 to 15		10	4	2	131	I	16	94 28	58	•
1		· · · · · · · · · · · · · · · · · · ·			2		1	10		1 !	
1	15 to 20		11	1		46	2	4	8	77	•••••
	20 to 25	3	14		1	14	2	4	4	84	••••
1	25 to 30	5	6		2	3	2	3	2	١.,	
1	30 to 35	12	6		1	2	1	2	<b></b> -		
ı	35 to 40	24	3		3	2	2	1		i '	
{	40 to 45	29	4		2	1	3	1	- · · · · · · · · · · · · · · · · · · ·	17	
Ì	45 to 50	27	4		3		3	:		9	•••••
1	50 to 55	322	4		1		1		•••••	19	
١	55 to 60	42	5		5		2	1		13	•••••
i	60 to 65	45	5		1		2			12	
	65 to 70	43	5		9		5			9	
ĺ	70 to 75	41	1		5		4			6	
	75 to 80	28	2		3		4				
	80 and over	11			2		2			2	
1	Unknown	3	2	4	4	9		1		) i	1

Includes 40 membranous croup. b Includes 23 chronic.

TABLE 83.—Per cent of Deaths returned for the Year 1884, from each of Ten Specified Causes to Deaths from all Causes; and Per Cent of each Sex of Deaths in each Month and at different Periods of Life, to Total Deaths from each Specified Cause.

			Cause	s of De	ath, 1884	.—Per C	ent of T	otal.		
Sex, Months, and Age.	Cancer.	Cepba- litis.	Croup.	Diar- rhea.	Diphth- eria.	Dysen- tery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whoop- ing Cough,
Per Cent of all Causes	2.00	1.72	1.80	2.27	5.90	.89	.80	1.81	2.85	8
Males	47.92	57.10	51.08	58.92	47.04	51.25	45.14	45.40	50.78	46.8
Females	52.08	42.90	48.92	40.83	52.86	48.75	54.86	54.60	49.03	53.1
Unknown				.25	.10	ļ			.19	
January	7.20	6.13	7.08	.98	5.91	2.50	4.86	11.66	4.28	3.1
February	5.82	7.42	6.46	.98	5.73		8.33	12.88	3.50	5.0
March	6,93	8.66	8.31	2.69	8.17	.63	11.81	15.03	3.70	5.0
April	8.03	8.39	4.62	1.96	6.67	3.13	15.28	14.72	4.09	1.8
May	9.97	7.42	9.23	1.96	6.57	2.50	11.81	9.82	3.89	4.3
June	6.92	9.68	4.92	4.89	7.42	1.87	15.28	5.52	3.11	13.
July	9.70	10.32	4.92	17.36	5.73	10.63	8.34	4.60	4.47	11.:
August	12.19	14.19	5.85	31.54	6.76	21.87	9.72	6.75	8.37	16.8
September	10.25	8.07	7.38	21.27	8.54	30.00	4.86	4.30	14.98	13.1
October	8.03	9.03	10.77	11,00	11.36	21.25	4.86	4.29	19.26	10.0
November	7.48	5.16	13.23	2.93	12.68	3.12	3.47	4.29	19.07	8.1
December	7.20	5.81	16.92	2.44	14.27	2.50	1.38	5.83	11.28	6.8
Unknown	.28	.32	.31	<b></b>	.19			.31	<u> </u>	!
( Under 5	3.60	64.19	80,92	87.29	44.79	71.87	70.83	58.28	10.12	90.0
5 to 10	.28	9.35	16.31	1.47	35.68	5.00	11.11	28.84	7.97	6.
10 to 15		3.23	1.23	.49	12.30	.62	6.95	8.59	11.28	
15 to 20	.55	3.55	.31	.49	4.32	1.25	2.78	2.45	14,98	
20 to 25		4.52		.25	1.31	1.25	2.78	1.23	16.34	1
25 to 30	1.39	1.94		.49	.28	1.25	2.08	.61	8,56	
30 to 35	3.32	1.94		.25	.19	.62	1.39	 		!
35 to 40.	6.65	.97		.73	.19	1.25	.70		5.06	
40 to 45	8.03	1.29		.49	l	1.87	.69	!	3.31	
45 to 50	7.48	1.29		.73	.00	1.88	,00	 	1.75	
50 to 55	8.86	1.29		.24		.63		·	3.70	,
	11.63	1.61		1.22		1	.69		2,53	
	12.47	1.61		.24		1.25 1.25	.09		2.33	;
'0 <b>65</b>	i i	1		i						
o 70	11.91	1.61		2.20		3.13			1.75	
<b>~</b>	11.36	.32		1.22		2.50			1.17	· · · <b> ·</b>
********	7.76	.64		.73		2.50				
*****	8.05			.49		1.25		ļ	.39	
•	83	.65	1.23	.98	.85	.63			.78	

Cancer.—Table 84 shows the deaths from cancer, by part of body affected, for the 13 years—1872–1884.

During these years there were 3,378 deaths from this disease, and the average number per year was 260. The number returned for 1884 was 361, a number less by 22 than was returned for the previous year. With the exception of this year and the year 1882 there has been a constant increase each year in the number of deaths from this disease since 1871. As usual, there were more deaths among the females than among the males during 1884, but the excess was not as large as usual, being only 15, while the average annual excess for the 13 years was 35.

In 1884 the largest number of deaths occurred in August and the smallest number in February; over 83 per cent of the whole number were over 45 years of age, and only 24 were returned at ages under 30. As regards the part of the body affected, in nearly half the cases during these years it was not stated in the returns, but as far as returned cancer of the stomach caused by far the largest number of deaths, while cancer of the breast was second.

TABLE 84.—Deaths from Cancer in Michigan returned for the Years 1872-1884, Indicating Part of Body Affected.

Part Affected.	Total.	Males.	Females	Part Affected.	Total.	Males.	Females
Aggregate, 13 years—1872- (	3,378	1,461	1,914	Cancer of Liver	63	40	2
1004				Cancer of Lungs	6	3	8
Cancer of Arm	б	3	3	Cancer of Mouth	59	40	19
Cancer of Bladder	5	4	1	Cancer of Neck	14	11	1
Cancer of Bowels	75	26	49	Cancer of Nose	2	2	l
Cancer of Breast	249	16	213	Cancer of (Esophagus	3	1	1
Cancer of Eye	13	7	6	Cancer of Pancreas	2	1	1
Cancer of Face	106	75	31	Cancer of Rectum	13	9	
Cancer of Foot	3	3		Cancer, Rose	7	3	4
Cancer in Groin	4	3	1	Cancer of Side	11	2	1
Cancer of Hand	3	2		Cancer of Spine	3	1	1
Cancer of Head	21	13	8	Cancer of Stomach	848	523	82
Cancer of Heart	1		1	Cancer of Throat	30	13	17
Cancer, Internal	23	8	15	Cancer of Tongue	13	9	4
Cancer of Kidneys	4	4		Cancer (unspecified)	1,624	632	995
Cancer of Leg	14	10	4	Cancer, Uterus	153		153

#### METEOROLOGY AND ITS RELATION TO DEATHS.

In this, as in preceding reports, some of the most important meteorological conditions for the year 1884 are given in connection with deaths from a few of the leading causes. These tables show some of the results of observations made at the office of the State Board of Health, State Agricultural College, and by the U. S. Signal Service. It is thought that useful information may be gained by comparing the occurrence of deaths from different diseases, by months, with temperature, humidity of air, ozone, prevailing winds, and atmospheric pressure.

Table 85 shows the average annual and monthly temperature for each of the years 1875-1884, and the average for the ten years ending with 1884, at the Michigan Agricultural College. It may be seen that, with the exception of 1875 and 1883, the average temperature for the year 1884 was lower than for any of the previous years.

TABLE 85.—Temperature.—Average by Years and by Months, for the Years 1875 to 1844, inclusive, at the Agricultural College, near Lansing, Michigan. (Results of Observations by Prof. R. C. Kedzie.)

	Average.	Av	erage	Temp	eratu	e stat	ed in l	Degree	s Fah	renhei	it, by	Month	s.
Years.	Annual Aver	January.	February.	March.	April.	May.	June,	July.	August,	September.	October.	November.	December.
1875	43.09	12.87	8,35	26.20	41.11	60.82	66.57	69,67	65.48	58.50	42.93	32,96	31.58
1876	46.17	30,22	27.38	30.55	44.16	57.95	68.14	72,48	71.55	56.30	43.74	36,33	15.23
1877	47.42	18.07	32,31	24.51	46,16	58.25	65,93	71.45	68.46	61.28	50.83	35.24	36.57
1878	48,29	29.11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.33	36.29	21.20
1879	46.88	19.19	20,40	33.19	44.84	58.76	66,02	74.03	70.00	56.21	57.28	38.22	27.46
1880	47.28	37.10	29.19	35.50	45.87	64.30	67.60	68.04	68.58	55.83	46,23	27.52	22.07
1881	48.73	16,98	21,58	30,28	45,59	65,24	64,31	73.43	72.69	69.69	52,51	38.20	34,31
1882	47.57	24,89	35,12	35.96	44.70	52,73	66.49	67.71	69,52	59.98	52.67	36.30	24.80
1883	43.51	14.39	19.76	24.89	43.48	52.78	65,87	68,94	64.90	56.43	46.17	38.08	26,39
1884	45,66	15.46	23.43	29.89	43.66	56,90	68,92	67.95	66,91	65.06	50,91	34.11	24.71
Average for 10 Years*	46.46	21.83	24.56	31.19	45.01	58,23	66,39	70.67	68.82	60.24	49.16	35.33	26.44

werage for 10 years ending with 1884.

TABLE 86. - PRESSURE OF THE ATMOSPHERE.—Observations of Barometer reduced to freezing point, for each of the years 1875 to 1884, inclusive, and the Average for Ten Years ending with 1884, at the Agricultural College, Lansing, Michigan. (Based upon Observations by Prof. R. C. Kedzie.)

	rage.	Pres	sure of	the Atm	osphere	 e, stated	in Inc	hes of	Mercu	 rial Col	umn, b	y Mont	hs.
Years.	Annual Aver	January.	February.	March.	April.	Мау.	June.	July.	August.	September.	October,	November.	December.
1875	28,998	29.005	28.875	28.844	29.047	29,061	29.029	29,044	29.025	29.031	29.016	29.054	28.955
1876	29.010	29.073	29.063	28.929	29.000	29.009	28.911	29.009	29.048	28.995	28.929	28.953	29,203
1877	29.066	29.057	29,124	28.981	28.974	29.056	29.020	29.062	29.046	29.121	29.077	29.009	29.180
1878	29.053	29,099	29,026	29.027	28,875	29.013	29.030	29.085	29.010	29.157	29.080	29.081	29.147
1879	29.080	29.130	29.107	29.102	29.050	29.116	29.073	29.057	29.100	29.152	29.160	29.027	29.032
1880	29.096	28,995	20.077	29,181	24.981	29.061	29.065	29.068	29.126	29.093	29.130	29,215	29,155
1881	29.087	29.077	29.152	28,899	29.064	29.116	29.018	29.003	29.117	29.077	29.181	29.120	29.134
1882	29.094	29.134	29.041	29.098	29.088	29.065	28.959	29.096	29.062	20,186	29.112	29.175	29.112
1883	29,107	29.129	29.252	29,059	24.042	29.007	28.998	29.072	29.154	29.162	29.158	29.128	29.124
1884	29.087 	29.118	27.081	29.071	29.011	28,995	29,256	29.004	29.120	29.118	29.028	29.111	29.127
Av.•.	29,069	29.082	28,880	29.019	29.014	29.050	29.036	29.059	29.081	29.109	29.087	29,096	29.117

Average for 10 years ending with 1884.

Croup.—This disease was returned as the cause of 324 deaths in 1884. A very large proportion of those who died, 81.17 per cent, were under five years of age, and only five cases were reported over ten years of age. The most fatal months in the order named were December, November, October. The greatest mortality was in December, 16.98 per cent; the least in April, 4.63 per cent.

Table 87 shows certain meteorological conditions in connection with deaths from croup. There were five exceptions to the proposition that the air was colder than the average in months when the greatest number of deaths from croup occurred, and warmer than the average in months in which less than the average number of deaths occurred. There were also five exceptions to the proposition that more than the average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

TABLE 87.—Deaths Returned from Croup in Michigan, by Months, during the Year 1884, and some coincident Meteorological Conditions.

		Dea fro Cro 188	up,	Temp tur Degr Fahrer	e, ees	Atmo	sphere	dity of	Month-	Ozor Rela Maxin	tive mum.	r Hour,	(Barometer
by 2	fonths in Order Number of Deaths om Croup, great- est first.	Number.	Per Cent of Total.	Average Daily Bange during bay and following Night by Registering Thermometers, Observations at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Alr. a	Weight, in Troy Ounces, of Vapor In- haled by one Person in 24 hours, b	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled, c	Day,7 A, M. to 2 P. M.	Night, - B P. M. to 7 A. M.	Average Velocity of Wind,-Miles per Hour, by Registering Anemometer.	Average Pressure of Atmosphere. (Reduced to 32° Fahr.)
Yea	r, 1884	321	100 00	19.01	44.72	75	3.31	2,07	9.61	2.75	3.11	9.3	29,205
ne.	December	55	16.98	14,09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29,229
More than the . No. of Deaths.	November	43	13,27	16.37	34,53	79	2.11	1,32	10.36	2,40	2.80	10,3	29,218
of	October	35	10.80	18,69	e 51.56	75	3.72	1 2.33	9.35	2,33	2.74	10.5	29,268
dore No.	May	30	9,26	19,50	• 54.38	70	3,78	F 2.36	9.32	2.91	3,28	9.4	29,131
AV.	March	27	8,33	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29,202
Ave	rage	27	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9,3	29.205
	September	24	7.41	20.87	64.72	78	5.24	3,28	8.40	2,28	2.42	9.0	29.210
Average leaths.	January	23	7.10	17.72	e 15.14	80	1.09	1 .68	11.00	3.41	3.98	11.1	29,274
	February	21	6.48	17.79	- 20.94	82	1.37	1 .86	10.82	3,36	4.30	9.2	29,204
Less than the Number of I	August	19	5.86	21.27	66.10	73	5.52	3,45	8.23	2.62	2.62	7.9	29,216
Number Number	June	16	4.94	21.90	67.04	78	5,50	3,49	8.19	2,64	2.70	6,8	29.278
Nun	July	16	4.94	20.83	66.70	71	5.40	3.38	8.30	2,50	2.57	7.9	29,100
	April	15	4.63	19.22	- 42.00	67	2,42	f 1.51	10.17	2.90	3.09	10.1	29,147

<sup>\*</sup> Calculated from readings of Dry Bulb and Wet Bulb Thermometers.

b Calculated for 18 respirations per minute of 20 cubic inches of air each.

c Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.

d Includes 40 deaths from Membranous Croup.

Exceptions to the proposition that more than an average number of deaths from croup occurred in months when the Average Daily Temperature was less than the average, and vice versa.

Exceptions to the proposition that more than an average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

Diphtheria.—Table 78, page 187, shows that 1,065 deaths were returned from this disease in 1884, as compared with 1,007 in 1893. The deaths among females exceeded those among males by 62. The per cent of deaths from diphtheria to deaths from all causes has decreased from 10.72 in 1881, to 8.62 in 1882, 5.96 in 1883, and 5.90 in 1884. The rise and fall in the number of deaths returned during the years 1875–1884 has been as follows:

1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.
207	311	598	887	1,473	1,542	2,063	1,416	1,007	1,065

The average annual number of deaths for the ten years 1875-1884, was 1,056, and the arge for the six years 1879-1884 was 1,439.

By reference to Table 83, page 219, it may be seen that over 80 per cent of the deaths from diphtheria in 1884 were those of children under ten years old. Knowing the age distribution of the population in 1884, from the census, we can now determine the special death-rate from diphtheria at different ages. On page 2 it will be seen that there were 225,973 children in Michigan, in 1884, under five years of age, and there were 477 deaths from diphtheria under that age. This gives a death-rate of 2.11 per thousand. For ages under ten years, the mortality-rate was 1.93 per thousand.

The months of September, October, November, and December contributed 46.94 per cent of the deaths, the month of December having the largest number.

The prevalence of diphtheria in each of the eleven geographical divisions of the State may be seen in the following tabulated exhibit:

State and Geographical Divisions.	Total Mortality from all Causes.	Deaths from Dipotheria,	Per Cent of Deaths from Diphtheria to Deaths from all Causes.
State	18,056	1,065	5.90
Upper Peninsular	1,112	75	6.74
Northwestern	536	36	4.83
Northern	3%2	28	7.33
Northeastern	<b>5</b> 1	:	2.79
Western	1,806	51	2.82
Northern-Central	439	43	9.79
Bay and Eastern	3,057	141	4.61
Central	2.02	116	4.53
Southwestern	1,007	24	2.38
Southern-Central	2,709	103	3.80
Southeastern	4,355	451	10.36

Table 88 shows the recoincident meteorer ber of deaths firthan the aw **TABLE 88.**—Deaths returned from Diphtheria in Michigan, by Months, during the Year 1884, and some coincident Meteorological Conditions.

		fre	heria.	Temp tur Degr Fahrer	e, ees	Humi	dity of	f Atmo Month rages.	sphere, ly	Ozon Relat Maxin	num	r Hour,-	(Вагтоте-
by I	Months in Order Number of Deaths rom Diphtheria, greatest first.	Number.	Per Cent of Total,	Average Dally Range during Day and following Night, by Registering Thermometers, Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cu- bic Foot of Air, a	Weight, in Troy Ounces, of Vapor In- haled by one Person in 24 hours, a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in Excess of Vapor Inhaled.*.	Day,—7 A. M. to 2 P. M.	Night, -9 P. M. to 7 A. M.	Average Velocity of Wind,-Miles Per by Registering Anemometer,	Average Pressure of Atmosphere. (I ter Reduced to 82° Fahrenbeit.)
Year	r, 1884	1,063	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29,208
	December	152	14.30	14.09	24.77	83	1.69	1.08	10.62	2.62	3.07	10.8	29,220
More than Av.	November	135	12.70	16.37	34.53	79	2.11	1.32	10.36	2.40	2.80	10.3	29,218
ofth	October	121	11.38	18.69	ь 51.56	75	3.72	· 2.33	9,35	2,33	2.74	10.5	29,268
No.	September	91	8,56	20.87	664.72	73	5.24	a 3.28	8.40	2,28	2.42	9.0	29.210
Ave	rage	89	8,33	19.01	44.72	75	3.31	2.07	9.61	2.75	3,11	9.3	29,202
er	March	87	8.18	19,88	b 28.78	77	1.77	e 1.11	10.57	3.03	3.73	8,8	29,209
d H	June	79	7.43	21.90	67.04	73	5.59	3.49	8.19	2.64	2.70	6.8	29.278
ge N	August	72	6.77	21.27	66.10	78	5.52	3.45	8,23	2.62	2.62	7.9	29,216
vera	April	71	6.68	19.23	b 42.00	67	2.42	e 1.51	10.17	2.90	3.09	10.01	29.147
Less than the Average Number of Deaths.	May	70	6.59	19,50	54.38	70	3.78	2.36	9.32	2.91	3.28	9.04	29.131
Ant	January	63	5.98	17.72	b 15.14	80	1.09	• .68	11.00	3.41	3.98	11.1	29,274
98 th	February	61	5.74	17,79	b 20.94	82	1.37	0 .86	10.82	3.36	4.30	9.2	29.204
3	July	61	5.74	20.83	66.70	71	5,40	3.38	8.30	2.50	2.57	7.9	29,100

a See foot-notes to Table 87, page 223.
b Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months when the Average Daily Temperature was less than the average, and vice versa.
c Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months when less than the average quantity of vapor was inhaled, and vice versa.

Typhoid Fever.—Table 89 shows, by months, the number of deaths which occurred from typhoid fever and the effect of certain atmospheric conditions as regards it.

The number of deaths returned as having been caused by this disease in 1884, was 514, an increase of 75 over the previous year, and about the same as the average for the previous 15 years. The per cent of deaths to deaths from all causes was 2.85, nearly 1 per cent less than the average for the previous 15 years. There were 262 deaths among the males and 251 among the females, and more than 72 per cent of all the deaths occurred during the last five months of the year, the mortality being largest in October 4 November.

As regards age, 423 of the 514 decedents from typhoid fever were under 40 years of 93 were under 10, 135 from 10 to 20, 128 from 20 to 30, and 67 from 80 to 40.

TABLE 89.—Deaths Returned in Michigan from Typhoid Fever, by Months, during the Year 1884, and some coincident Meteorological Conditions.

		fre	hoid	Temper Degr Fal	ees	Hun	nidity ere, etc Ave	of A	tmos- nthly	Maxi	ne,— ative mum 10.	per Hour,-	(Harmeter
by I	fonths in Order Number of Deaths in Typhoid Fever, greatest first.	Number,	Per Cent of Total.	Average Daily Range during day and following night by Registering Thermometers, Observed at 7 A. M.	Average of Dally Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor In- haled by one Person in 24 hours.	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled, a	Day, - 7 A. M. to 2 P. M.	Night, - 9 P. M. to 7 A. M.	Average Velocity of Wind,Miles pe	Average Pressure of Atmosphere ( Reduced to 82° Pabrenhelt.)
Yea	r, 1884	514	100.00	19.01	44.72	75	3.31	2.07	9.61	2,75	3.11	9.3	29.20
ΑΥ. Β.	October	99	19.26	b 18.69	51.56	75	3.72	2.33	9.85	2.33	2.74	10,5	29,36
	November	98	19.07	h 16.37	e 34.53	79	d 2.11	1.32	10.36	2.40	2.80	10.3	29.21
More than the No. of Death	September	77	14.98	20.87	64.72	73	5.24	3.28	8,40	2,28	2.42	9.0	29.21
ore the No. of	December	58	11.28	14.09	c 24.77	83	a 1.69	1.06	10.62	2,62	3.07	10,8	29.20
Ž Z	August	43	8.37	21.27	66.10	78	5.52	3,45	8,23	2.62	2.62	7.9	29.21
Ave	rage	43	8.33	19.01	44.72	75	3,31	2.07	9.61	2.75	3.11	9.3	29,20
	July	23	4.47	b 20.83	66,70	71	a 5.40	3,38	8,30	e 2.50	. 2.57	7.9	29.10
rage	January	22	4.28	17,72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	1 29,27
Ave aths.	April	21	4.09	s 19,22	42.00	67	2.42	1.51	10.17	2.90	* 3.09	10.1	29.14
than the Aver No. of Deaths.	May	20	3,89	b 19.50	¢ 54.38	70	d 3.78	2.36	9.39	2.91	3.28	9.4	29.18
Less than the Average No. of Deaths.	March	19	3,70	b 19.88	28.78	77	1.77	1.11	10.57	3.03	3.78	8.8	29,20
e Z	February	18	3.50	17,79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.20
-	June	16	3.11	* 21.90	€ 67.01	78	a 5,59	3.49	8.19	· 2.64	* 2.70	6.8	129,2

<sup>\*</sup> See foot-note to Table 87, page 223.

b Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

c Exceptions to the proposition that the Average Daily Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

d Exceptions to the proposition that the Absolute Humidity was greater than the average in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa.

I Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa. vice versa.

The different diarrheal diseases, as classed together in Table 90, were the cause of 557 more deaths than in 1883, and 492 more than the average for the twelve years—1873-1884. The largest number of deaths from these diseases was returned in 1881, corresponding with the large number of deaths for that year. Diarrhea and cholera infantum show a marked increase over the number returned for 1883.

TABLE 90.—Deaths returned from Diarrheal Diseases in Michigan during the Years 1873-1884, and the Average for Twelve Years.

Years.	Diarrhea.	Dysentery.	Cholera Infantum.	Cholera.	Enteritis.	Diarrheal Diseases.
1873	383	319	306	9	285	1,302
1874	380	804	278	6	208	1,176
1875	283	162	289	2	218	954
1876	304	195	331	12	239	1,08)
1877	290	218	370	15	226	1,119
1878	173	158	243	4	214	792
1879	226	135	300	6	237	904
1880	810	160	499	26	267	1,262
1881	501	270	857	17	342	1,987
1882	259	96	428	13	276	1,072
1883	267	114	465	3	294	1,148
1884	409	160	781		350	1,700
Average	315	191	429	9	263	1,208

Diarrhea.—The mortality from this disease was more in 1884 than in 1883, and more also than the annual average for the twelve years 1873–1884. Of all the deaths returned in Michigan for the year, 2.27 per cent were caused by diarrhea. Over seventy per cent of the mortality occurred in July, August, and September, the month of August alone having 31.54 per cent of all the deaths of the year.

In regard to age it will be seen from Table 83 that the highest mortality occurs under five years of age. For 1884, 87.29 per cent of the decedents from this cause were under that age.

Table 91 shows the relation which the deaths from diarrhea sustained to certain meteorological conditions in 1884. There were only two exceptions to the proposition that more than the average number of deaths from diarrhea occurred in months when the Average Daily Temperature was higher than the average, and vice versa.

TABLE 91.—Deaths Returned in Michigan from Diarrhea, by Months, during the Year 1884, and some coincident Meteorological Conditions.

		Dea fro Diari 18	m hea,	Temp ture, De Fahren	era- grees heit.	Hun Mo	nidity pheronthly	of A e, etc., Aver	tmos-	Ozoi Rela Maxi	tive mum	r Hour,	(Barometer
by Nu	onths in Order umber of Deaths om Diarrhea, greatest first.	Number.	Per Cent of Total,	Average Dally Hange During Day and following Night, by Registering Ther- mometers, Observed at 7 A. M.	Average of Dally Observations at 7	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor Initaled by one Person in 24 hours, a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled.	Day, 7 A. M. to 2 P. M.	Night, -9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per by Registering Anemometer.	Avorage Pressure of Atmosphere. (I
Year,	1884	409	100.00	19.01	44.72		3.31	2.07	9.61	2.75	3.11	9.3	29,205
<u>-</u>	August	129	31.54	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.216
# 0 # # 0 #	September	87	21.27	20.87	64.72	73	5.24	3,28	8.40	2.28	2.42	8.0 <sup>1</sup>	29.210
ore than Av. No. c Deaths.	July	71	17.36	20,83	66.70	កា	5.40	3.38	8.30	2.50	2.57	7.9	e 29.100
More A.Y.	October	45	11,00	6 18.69	51.56	d 75	3.72	2.33	9.35	2.33	2.74	10.5	29,266
A vera	цге	34	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29,206
	June	30	4.89	5 21.90	¢ 67.04	d 73	· 5.59	3.49	8.19	12.64	! 2.70	6.8	× 29.273
ř	November	12	2.93	16.37	34.53	79	2.11	1.32	10.36	(2.40	12.80	10.3	: <b>29</b> ,213
P T	March	11	2.69	b 19.88	28.78	<del></del>	1.77	1.11	10.57	3.03	3.73	8.8.	29.30
beat Deat	December	10	24	14.09	24.77	83	1.69	1,06	10.62	12.62	13.47	10.8	· 29.23
5 2 2 -	April	8	1.96	b 19.32	42.00	d 67	2.42	1.51	10.17	2.90	13,09	10.1	29.147
Less than the Average No. of Deaths.	May	8	1.96	b 19,50	- 54.38	a 70	•3.78	2.36	9,32	2.91	3.28	9.4	29,133
3	January	4	.96	17,73	15.14	90	1.09	.6%	11.00	3.41	3.98	11.1	: 29.27
	February	4	.96	17.79	20,94	82	1.37	.86:	10.82	3.36	4.30	92	29.30

To was greater than the average,

See foot-notes to Table 87, page 223.
 Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was greater than the average.

and rice rerea.

<sup>c</sup> Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was higher than the average, and rice

d Exceptions to the proposition that more than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was less than the average, and

<sup>\*</sup> Exceptions to the proposition that \* occurred in months when the Absolute | and rice rersu.

\* Exceptions to the proposition occurred in months when

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<sup>·</sup> of deaths from Diarrhes : less than the average, and

deaths from Diarrhes was greater than the

Scarlet Fever.—The total number of deaths reported as having occurred from scarlet fever during 1884 was 325—a decrease of 348 from the previous year, and a number less by 136 than the average for the 13 years, 1872-1884.

The largest proportion of the mortality from this disease occurs among children, as may be seen by a reference to Table 78, where it will be seen that of the 325 decedents 190, or 58.28 per cent, were under 5 years of age; and 284, or 87.12 per cent, were under 10 years of age. Over 64 per cent of all the deaths occurred during the first five months of the year, as shown by Table 92, which also shows the influence of certain atmospheric conditions upon the mortality from this disease.

TABLE 92.—Deaths returned in Michigan from Scarlet Fever, by Months, during the Year 1884, and some coincident Meteorological Conditions.

		Sc	eaths rom arlet er, 1884.	Deg	pera- re, rees enheit.	Hu	midity pher onthly	of A e, etc. Aver	tmos-	Maxi	ne,— ative mum, 10.	Hour,-by	(Barometer
b; Dea	onths in Order y Number of ths from Scarlet ever, greatest first.	Number.	Per Cent of Total.	Average Daily Range during Day and following Night, by Registering Thermometers, Observed at 7 A. M.	Average of Dally Observations at 7 A. M., 2 P. M., and 9 P.M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air, a	Weight, in Troy Ounces, of Vapor In- haled by one Person in 24 hours, a	Weight in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled, a	Day, -7 A. M. to 2 P. M.	Night,-9 P. M. to 7 A. M.	Average Velocity of Wind,—Miles per Hour,—by Registering Abemometer,	Average Pressure of Atmosphere. (I Reduced to 32° Pahrenbelt),
Year	r, 1884	325	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29,205
	March	49	15.08	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29,202
than the Av.	April	49	14.77	19,22	42,00	67	2.42	1.51	10.17	2.90	8.09	10.1	29.147
L De	February	42	12.92	17.79	20.94	82	1.37	.86	10.82	3.36	4.30	9.2	29.204
o e	January	38	11.69	17.72	15,14	80	1,09	.68	11.00	3.41	3.98	11.1	29.274
More No.	May	32	9.84	19.50	154.38	70	43,78	2.36	9.32	2.91	3.28	9.4	29.131
Ave	rage	27	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.205
or	August	22	6.77	21.27	66.10	73	5.52	3,45	8.23	2,62	2,62	7.9	29,216
	December	19	5.85	14.09	b24.77	83	¢1.69	1.06	10.62	2.62	3.07	10.8	29,229
A.,	June	18	5.54	21.90	67.04	73	5.59	3.49	8.19	2.64	2,70	6.8	29.278
the	July	15	4.61	20.83	66.70	71	5.40	3.38	8.30	2.50	2.57	7.9	29,100
than the Av. No. Deaths.	September	14	4.31	20.87	64,72	73	5.24	3.28	8,40	2.28	2,42	9.0	29.210
Less ti	October	14	4.31	18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29,268
3	November	14	4.31	16.37	634.53	79	c2.11	1.32	10.36	2.40	2.80	10.3	29.213

See foot-notes to Table 87, page 223.
 Exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than the average number of deaths from Scarlet Fever occurred, and vice

Exceptions to the proposition that the Absolute Humidity of the atmosphere was less than the pe in months when more than the average number of deaths from Scarlet Fever occurred, and

Consumption.—This disease continues to head the list of principal causes of death in Michigan. In 1884, 2,198 deaths were reported to have been caused by consumption, which was the largest number ever returned for a single year. The average annual mortality from this disease for the 14 years 1870–1883, was 1,621. The per cent of deaths from consumption to deaths from all causes, in 1884, was 12.17, and the average for 14 years, 1870–1883, was 11.84.

Of the 2,198 deaths from consumption in 1884, 1,025 were males and 1,173 were females, or there were 87 male decedents to 100 female decedents. For the 16 years from 1869 to 1884, inclusive, the number of deaths returned from consumption in Michigan was 26,122, of which 12,093 were males and 14,029 were females. There were 86 male decedents to each 100 female decedents during all these years, or 46 males and 54 females in each 100 decedents.

The influence which the months and seasons have upon the mortality from consumption may be seen in the following tabulated exhibits. In 1884, the highest monthly record of deaths was in May, and the largest quarterly period was the second. The least number of deaths was returned for January, and the quarter ending with March also returned the fewest deaths. For the 16 years, 1869–1884, the largest percentage of deaths occurred, as usual, in the second quarter of the year, and the smallest in the first quarter.

The mortality from consumption by sex and age, for 1884, and for the 16 years 1869-1884, may also be studied in these exhibits. There appears but little difference in the relative proportions of the various periods of life, between the aggregate record of 16 years and that for a single year. It will be noticed that the greatest mortality occurs between 20 and 30, not only for the single year record, but also for the aggregate.

The last column of the exhibit, showing the mortality from consumption by sex and age for 1884, gives the death-rate from this disease at different ages. Disregarding the decimal points, the numbers represent the number of deaths to every 10,000 inhabitants at the several periods of age. It will be noticed that, although the number of deaths from consumption, for 1884, was greatest at ages between 20 and 30, the proportion of deaths to the whole number of inhabitants of the same age was greatest at ages between 70 and 80. It also appears that the death-rate from consumption is greatest at ages over 60.

Months.	Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	136	147	195	203	223	176	201	168	181	191	186	182	9
Quarters	1	478			602		ı	550			559		9
Per Cent		21.75		ļ.	27.39			25.02			25.43		.41

Mortality from Consumption, by Months and Quarters, 1884.

Total Mortality from Consumption by Sex, Months, and Age, 1869-1884.

	Se	x.							M	lonth	<b>.</b> 8.					
	Males.	Females.	Total.	January.	February.	March.	April.	May.	June.	July.	Angust,	September,	October.	November.	December.	Unknown,
Males	12,093			703	816	1,082	1,145	1,131	963	950	1,013	1,070	1,004	995	1,176	4
Females		14,029		818	955	1,164	1,256	1,291	1,138	1,167	1,215	1,303	1,201	1,146	1,319	56
Totals			26,122	1,521	1,771	2,246	2,401	2,422	2,101	2,117	2,228	2,373	2,205	2,141	2,495	10
Quarters				_	5,53	8		6,924			6,718	3		6,84	ı	10:
Per Cent					21.2	0		26.51		1,0	25.72	2		26.19	9	.36

						Ag	es.					
	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	80 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Unknown.
Males	906	159	179	712	2,730	1,930	1,549	1,393	1,339	801	134	201
Females	875	180	436	1,630	4,081	2,456	1,487	1,089	900	560	116	219
Totals	1,781 6.82	339 1.30	615 2.35			4,446 17.02				1,361 5.21	250 .98	420 1.61

## Mortality from Consumption, by Sex and Age, 1884.

Ages.	Total Deaths.	Deaths from Consump- tion.	Per Cent at Several Ages.	Males.	Females.	Per Cent of Deaths to Popula- tion.
Under 10	8,239	192	8.74	93	99	.04
10 to 20	1,223	257	11.69	80	177	.07
20 to 30	1,639	637	28.93	288	349	.18
<b>30</b> to 40	1,142	341	15,51	158	183	.18
40 to 50	1,033	244	11.10	119	125	.13
50 to 60	1,056	198	9.01	108	90	.16
60 to 70	1,849	154	7.01	84	70	.21
70 to 80	1,836	115	5.23	65	50	.37
80 and over	776	27	1.23	16	11	.35
Age not stated	263	33	1.50	14	19	1.99
Totals	18,056	2,198	100.00	1,025	1,178	.12

TABLE 93.—Consumption.—Deaths from Consumption returned in Michigan, by Months, during the Year 1884, and some coincident Meteorological Conditions.

		Cons	from ump- 1884.	Temp ture, grees	De-	Hur	nidity pher nthly	of A e, etc. Aver	tmos-	Ozon Rela Maxin	tive	Hour,by	(Barometer
	conths in Order by Number of Deaths from Consumption, greatest first.	Number,	Per Cent of Total,	Av. Daily Range during Day and following Night by Registering Thermometers, Observed at 7 A. M.	Average of Dally Observations at 7 A. M.; 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in Grains, of Vapor in a Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor In- haled by one person in 24 hours. a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled, a	Day,-T A. M. to 2 P. M.	Night,-9 P. M. to 7 A. M.	Average Velocity of Wlud,Miles per Hour,by Registering Anemometer.	Average Pressure of Atmosphere, (F
	Year, 1884.	b2,189	100.00	19.01	44.72	75	3.31	2.07	9,61	2.75	3.11	9,3	29,20
ege.	May	223	10.19	19.50	54.38	70	3.78	2.36	9.32	2,91	3,28	9.4	29,13
bs.	April	203	9.27	19,22	c 42,00	67	2.42	d 1.51	10.17	2,90	3.09	10.1	29.14
Deat	July	201	9.18	20.83	66.70	71	5.40	3,38	8.30	2,50	2.57	7.9	29.10
No. of Deaths.	March	195	8,91	19.88	e 28.78	77	1.77	d 1.11	10.57	3.03	3.78	8.8	29.20
No.	October	191	8.73	18.69	51.56	75	3.72	2.33	9,35	2.33	2.74	10.5	29,96
Moi	November	186	8,50	16.37	c 34.53	79	2.11	d 1.32	10.36	2.40	2,80	10.3	29,21
Ave	rage	182	8.33	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9,3	29,20
60	December	182	8.31	14.09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29.22
Average ths.	September	181	8,27	20.87	c 64.72	78	5.24	d 3,28	8.40	2,28	2,42	9.0	29.21
Less than the Aver No. of Deaths.	June	176	8.04	21.90	c 67.04	73	5.59	d3.49	8.19	2.64	2.70	6.8	29,27
of I	August	168	7.67	21.27	e 66.10	73	5.52	d3.45	8.23	2.62	2,62	7.9	29,21
No.	February	147	6.72	17.79	20.94	82	1.37	.86	10.82	3,36	4.30	9.2	29,20
25	January	136	6.21	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	29.27

Pneumonia.—This disease was returned as the cause of 767 deaths in 1884. 1883 there were 737 deaths. The average annual number from this cause for the 15 years, 1869-1883, was 632, while the average for 10 years, 1875-1884, was 686. centage of deaths from pneumonia to deaths from all causes in 1884 was 4.25, while the average percentage for 15 years, 1869-1883, was 4.68.

<sup>\*</sup> See foot-notes to Table 87, page 223.

b Excluding 9 deaths in unknown months.
c Exceptions to the proposition that the Average Daily Temperature was higher than the average in months when more than the average number of deaths from Consumption occurred, and rice

d Exceptions to the proposition that more than the average amount of vapor was inhaled in months in which there was more than the average number of deaths from Consumption, and vice

There were 100 more deaths of males than of females in 1884, or in the proportion of 180 males to each 100 females. The proportion for 1884 is less than the average for 10 years, 1874–1883, which was 136 males to each 100 females.

In 1884 February and March were the two most fatal months, but for the average for 10 years March and April show the largest number of deaths. Nearly one-half the deaths are returned in the first four months of the year.

As regards age, 337, or 43.94 per cent, were under 5 years of age. This is about the usual average for that period. Nearly 25 per cent of the entire mortality from pneumonia were of persons over 50 years of age. This leaves only about 30 per cent between the ages of 5 and 50. It is thus seen that while pneumonia attacks all ages, it is most fatal at the extremes of life.

Table 95 shows the relation of deaths from pneumonia to certain atmospheric conditions. It appears that in 1884 there was only one exception to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than the average number of deaths from pneumonia occurred, and *vice versa*.

TABLE 94.—By Months, the Number of Deaths Returned from Pneumonia in Michigan during each of the Years 1875-1884, and the Average for Ten Years Ending with 1884.

				Des	ths f	rom	Pne	umo	nia,	1875	-1884	<b>4</b> .		
Year.	Total.	January.	February.	March.	April.	May	June.	July.	August.	September.	October,	November.	December.	Unknown,
1875	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876	627	43	71	107	68	50	33	20	37	28	38	40	91	1
1877	465	58	56	64	60	39	24	14	23	26	26	35	38	2
1878	462	36	37	59	54	37	30	15	19	22	35	53	65	
1879	701	44	92	114	102	59	36	30	31	42	25	45	80	1
1880	812	56	82	111	113	79	37	29	36	51	44	68	105	1
1881	805	77	88	126	100	70	37	39	29	47	55	43	91	3
1882	735	59	65	84	82	94	58	29	29	36	43	57	97	2
1883	787	76	61	97	104	89	40	30	42	27	41	53	76	1
1884	767	68	101	106	83	67	39	34	42	34	30	70	90	8
Average for 10 years	686	60	77	100	85	66	37	26	30	34	38	51	80	2

TABLE 95.—Deaths returned from Pneumonia in Michigan during the Year 1884, and some coincident Meteorological Conditions.

		Pneur	s from nonia, 84.	Tempe ture, grees	De-		nidity pheronthly	e. etc		Ozon Rela Maxii	num	lour, -by	(Barometer
by N	onths in Order Iumber of Deaths om Pneumonia, greatest first.	Number.	Per Cent of Total.	Average Daily Range during Day and following Night by Registering Thermometers. Observed at 7 A. M.	Average of Dally Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent of Saturation.	Weight, in trains, of Vapor in a Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 94 hours in Excess of vapor inhaled.	Day, - 7 A. M. to 2 P. M.	Night,-9 P. M. to 7 A. M.	Average Velocity of Wind,Miles per Hour. Registering Anomometer	Average Pressure of Atmosphere, (I Reduced to 82° Pahrenhelt),
Year	r, 1884	₽ 764	100.00	19.01	44.72	75	3.31	2.07	9.61	2.75	3.11	9.3	29.2
	March	106	13.87	19.88	28.78	77	1.77	1.11	10.57	3.03	3.73	8.8	29.5
of Deaths.	February	101	13,22	17.79	20,94	82	1.37	.86	10.82	3.36	4.30	9.2	29.
Deat	December	90	11.78	14.09	24.77	83	1.69	1.06	10.62	2.62	3.07	10.8	29.
3	April	83 <sup>!</sup>	10.86	19.23	42.00	67	2.42	1.51	10.17	2.90	3.09	10.1	29.
Number	November	70	9.16	16.37	34.53	59	2.11	1.32	10.36	2.40	2.80	10.3	29.
ž	January	68	8.90	17.72	15.14	80	1.09	.68	11.00	3.41	3.98	11.1	29.
•	Мау	67	8.77	19.50	€ 54.38	70	3.78	d 2.36	9.32	2,91	3.28	9.4	<b>2</b> 0.
ve	rage	64	8.32	19,01	44,79	75	3.31	2.07	9.61	2,75	3.11	9.3	29.3
	August	42	5.50	21.27	66.10	73	5.52	3.45	8.23	2.62	2.62	7.9	29.
	June	39	5.11	21.90	67.04	73	5.59	3.49	8.19	2.64	2.70	6.8	29.
of Deaths.	July	34	4.45	20.83	66.70	71	5.40	3.38	8.30	2,50	2.57	7.9	29.
No. of Death	September	34	4.45	20.87	64.72	73	5.24	3.28	8.40	2.28	2.42	9.0	29.
Z	October	30	3.93	18.69	51.56	75	3.72	2.33	9.35	2.33	2.74	10.5	29.

See foot-notes to Table 87, page 223.
 Excluding 3 in unknown month.
 Exceptions to the proposition that the Average Daily Temperature was lower than the average in months when more than an average number of deaths from Pneumonia occurred, and rice cersa.
 d Exceptions to the proposition that less than the average amount of vapor was inhaled in months when more than an average number of deaths from Pneumonia occurred, and rice rersa.

Table 96 is designed to show the relative prevalence of consumption, pneumonia, typhoid fever, scarlet fever, and diarrhea in each of the eleven geographical divisions of the State. This is done by finding the percentage which each division bears to the whole number of deaths in each division. It is seen that the several divisions present some interesting comparisons in their percentages.

TABLE 96.—Exhibiting, for the State and Eleven Geographical Divisions in 1884, the Number and Per Cent of Deaths Returned from all causes, from Consumption, Pneumonia, Typhoid Fever, Scarlet Fever, and Diarrhea.

	Deaths	Consun	aption.	Pneu	monia.	Tyr Fe	ohoid ver.		rlet ver.	Diar	rhea.
State and	from	. sq	ths	Deaths.	sths.	Deaths.	to Deaths	Deaths.	ths	ths.	ths
Geographical	All	Dea	to Deaths Causes.		Des	Dea	Des	Dea	Deg	Des	Dea
Divisions.	Causes,	Jo L	311	r of	t to	jo i	35	9	t to	lo d	it to
	1884.	Number of Deaths.	Per Cent to Death from All Causes.	Number	Per Cent to Deaths from All Causes.	Number	Per Cent t	Number of	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.
State	18,056	2,198	12.17	767	4.25	514	2.85	326	1.81	409	2.27
Upper Peninsular	1,112	89	8.08	45	4.05	46	4.14	12	1.08	23	2.07
Northwestern	536	48	8.96	18	3.36	7	1.31	22	4.11	11	2.05
Northern	382	61	15.97	13	2.88	13	3.40	12	8.14	7	1.83
Northeastern	251	19	7.57	10	3,98	8	3.19	1	.40	5	1.99
Western	1,806	203	11.24	92	5.09	67	3.71	32	1.77	62	3.43
Northern-Central	439	47	10.71	24	5.47	22	5.01	8	1.82	5	1.14
Bay and Eastern	3,057	377	12.33	135	4.42	76	2.42	67	2.19	69	2,26
Central	2,402	311	12.95	98	4.08	85	3.54	63	2.62	15	.62
Southwestern	1,007	165	16.39	62	6.16	34	3.38	7	.70	8	.79
Southern-Central	2,709	356	13.14	110	4.06	74	2.73	35	1.29	20	.74
Southeastern	4,355	522	11.99	162	3.72	82	1.88	67	1.54	184	4.23

Table 97 shows that deaths from old age and those aged 70 and over occurred in the largest proportion in the southern part of the State, while deaths from those aged under 5 years were in the greatest proportion in the northern portions of the State.

TABLE 97.—Exhibiting, for the State and Eleven Geographical Divisions, the Number and Per Cent of Deaths Returned at All Ages, from Old Age, of all Aged 70 and Over, and of all Aged Under 5, during the Year 1884.

	1884.	Old .	Age.	Aged 70 a	nd Over.	Aged U	nder 5.
State and Geographical Divisions.	Deaths at All Ages, 18	Number of Deaths.	Per Cent to Deaths at All Ages by Geo- graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages by Geo- graphical Divisions.	Number of Deaths.	Per Cent to Deaths at All Ages by Geo- graphical Divisions.
State	18,056	795	4.40	2,112	11.70	7,232	40.03
Upper Peninsular	1,112	34	3.06	56	5.03	605	54.41
Northwestern	536	15	2.80	31	5.78	295	55.04
Northern	382	9	2,36	24	6.28	176	46,07
Northeastern	251	8	1.20	10	3.98	117	46,61
Western	1,806	65	3.60	161	8.91	777	43.0
Northern-Central	439	8	1.82	25	5.69	183	41.60
Bay and Eastern	3,057	143	4.68	258	8.44	1,446	47.30
Central	2,402	114	4.75	362	15.07	767	31.93
Southwestern	1,007	52	5.16	163	16.19	322	31.98
Southern-Central	2,709	191	7.05	590	21.78	608	24.66
Southeastern	4,355	161	3.70	432	9.92	1,876	43.08

Table 98 shows by sex the average age of all persons who died in Michigan during the years 1882, 1883 and 1884, and also during the ten years, 1874-1883.

It will be seen that the average age of all decedents in 1884 was slightly less than for the previous year: also that the average age of the male decedents was greater than that of the female decedents, being for the former 26.92, for the latter 26.47.

For 1884 the average age of those who died aged 20 and over was 53.90 for the males and 51.59 for the females. Of the decedents from consumption the average age of the males was 36.73; of the females, 32.95.



TABLE 98.—Showing the Average Age of Decedents in Michigan during the Years 1882, 1883, 1884, and the Average for ten Years, 1874–1883.

				in Year.	
	Year Ending	Total.	Males.	Females.	Excess of Males.
Deaths as shown by Registration Returns	1	25.74	26,46	25.07	1.39
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.16	20.33	20.12	.21
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		46.51	47.58	45,84	1.74
Deaths from Consumption, by Registration Re-	These 91 1999	36.43	39.16	34.22	4.94
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1882	52.24	53,56	50,78	2,78
All who died aged 20 years and over, as shown by Registration Returns		52,22	53,51	50.74	2.77
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns Deaths of Foreign-born Inhabitants aged 20 years		51.49	53.71	49.19	4.59
and over, as shown by Registration Returns		53.42	54.12	53,37	.75
Deaths as shown by Registration Returns	1	26,81	27.55	26.37	1.18
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.88	21.13	20.81	.32
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.90	47.61	46,03	1.58
Deaths from Consumption, by Registration Re-	P - 01 1000	35.71	38,16	33,69	4.47
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1883	52.24	55.41	49.01	6.40
All who died aged 20 years and over, as shown by Registration Returns		51.97	54.06	50.13	3.90
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.11	54.04	48.11	5.98
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.87	52.81	52,62	.19
Deaths as shown by Registration Returns	1 1	26.45	26,92	26,47	.42
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.56	20.44	20.88	46
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		48.84	48.65	48,20	A
Deaths from Consumption, by Registration Re-	la result	34.53	36.78	32.95	3,78
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1884	54.14	56.75	51.27	5.48
All who died aged 20 years and over, as shown by Registration Returns		52.51	53.90	51.59	2.3
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns	+	51.84	53,89	49.69	4.2
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns	1	58,92	53.21	53,82	6
Deaths as shown by Registration Returns	1 1	25,66	26,32	25.02	1.2
Deaths of Native-born Inhabitants, as shown by Registration Returns	1	20,20	20.74	20,27	1
Deaths of Foreign-born Inhabitants, as shown by		47.76	48,62	46,29	2.2
Registration Returns saths from Consumption, by Registration Re-	Average for 10	36.01	39.04	33.52	5,0
All acol 30 and over whose occupations were stated in Registration Returns of Deaths. All who died acod 30 years and over, as shown by Exceptation Returns.	years,-1874-	51,87	53,85	49.56	4.5
All who find aged 30 years and over, as shown by		51.83	53,68	49,82	3.8
The state of the s		51.09	50,57	68.64	5.2
shown by Registration Returns In the light born Inhabitants aged 20 years he the stration Returns		53.14	53,60	52.07	1.5

TABLE 99.—Exhibiting, by Classified Occupations, the Number, Aggregate and Average Age of Decedents in Michigan, aged 20 Years and over, for the 15 Years, 1870–1884. One-half Year added to Age of each for Months and Days excluded.

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average,
	All Aged 20 Years and Over	84,014	4,344,926.00	51.7
	All Specified Occupations,-Aged 20 Years and Over	78,821	4,076,692.50	51.7
	Occupations Unspecified,-Aged 20 Years and over	5,193	268,235.50	51.6
I.	Cultivators of the Earth	22,821	1,835,572,50	58.3
11.	Active Mechanics Abroad	2,398	125,362.00	52.5
III.	Active Mechanics in Shops	3,037	154,780,50	50.1
IV.	Inactive Mechanics in Shops	1,521	79,151.50	52.
v.	Laborers,-No Special Trades	7,512	330,996.00	44.6
VI.	Agents, Laborers Abroad, Etc.	1,544	66,708.00	43.5
VII.	Seafaring Men	581	24,473,50	42.
VIII.	Soldiers	36	1,840.00	51.
IX.	Business Men	3,538	167,685,00	47.
X.	Professional Men.	1,344	70,398.00	52.
XI.	Unemployed	3,523	193,150,50	54.
XII.	Females	36,159	1,794,808.50	49.
1.	Cultivators of the Earth	22,821	1,335,572.50	58.
	Farmers	22,494	1,317,800.00	58,
	Farm Laborers	107	3,879,50	36,
	Fruit Growers	12	640.00	58.
	Gardeners.	160	9,995.00	62.
	Nurserymen	11	552,50	50.3
	Retired Farmers	37	2,705.50	73.
11.	Active Mechanics Abroad	2,398	125,362.00	52.5
	Brick-makers.	24	1,375.00	57.2
	Carpenters and Builders	1,740	90,307.00	51.9
	House-movers	6	345.00	57.5
	Masons	450	23,980.50	52,2
	Millwrights.	68	4,237.00	62.8
	Ship Carpenters	40	2,564.50	52.8
	Stone Cutters	12	2,553.00	49,1
ш	Active Mechanics in Shops	0,087	154,780.50	50.9
	Bakers		mg/8	27.
	Blacksmiths			1 52
	Boiler-makers			-

TABLE 99.—CONTINUED.—Occupations of Decedents, Etc.

Class.	Occupations,—15 Years, 1870-1884.	Number of	Age in Years and Hundredths of a Year.	
		Persons.	Aggregate.	Average
ш.	Active Mechanics in Shops—(Continued.)			
	Book-binders	8	843.00	42.
	Bottlers	8	84.50	28.
	Brewers	79	3,612.50	45.
	Broom-makers	7	389.50	52.
	Cabinet-makers	130	6,997.00	58.
	Carriage-makers	187	7,885.50	57.
	Carriage Trimmers	6	292,00	48.
	Chair-makers.	2	100.00	50.
	Confectioners	15	698.50	46.
	Cooks	87	1,629,50	44.
	Coopers	802	17,060.00	56.
	Coppersmiths	8	488.00	61.
	Dyers	12	617.00	51.
	Finishers	15	454.50	30
	Foundrymen	11	539.50	49
	Gilders	8	280.00	82
	Gunsmiths	42	2,462.00	58.
	Machinists	175	8,934.50	51.
	Marble-workers	18	723,00	40.
	Mechanics	381	18,288.50	47
	Millers	223	12,291.50	55.
	Model-makers.	14	758,00	54.
	Molders	107	4,197.50	39
	Painters	305	12,861.50	42.
	Plasterers	15	754,50	50.
	Plumbers	21	918.50	43
	Potters	5	341.50	68.
		5	291.50	58.
	Rope-makers	1	195,00	48.
	Sail-makers	4		
	Saw-makers.	4	199.00	49.
	Sawyers.	6	157.00	26.
	Smelters.	1	53.50	53.
	Spinners.	52	3,715.00	71.
	Stove-mounters	10	435.00	43.
	Tanners	80	1,671.00	55.
	Tinners	70	<b>2,966</b> .00	42.
	Turners	222	933.00	42

# VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 99.—Continued.—Occupations of Decedents, Etc.

Class.	Occupations,—15 Years, 1870-1884.	Number of Persons.	Age in Years and Hundredths of a Year.	
			Aggregate.	Average
Ш.	Active Mechanics in Shops—(Continued.)			
	Upholsterers	18	605.00	33.6
	Wagon-makers	38	2,207.00	58.0
	Weavers	5	397.50	79.5
	Wood Carvers	7	840.50	48.6
ıv.	Inactive Mechanics in Shops	1,521	79,151.50	52.0
	Barbers	114	4,727.00	41.4
	Basket-makers.	15	1,088.50	69.2
	Cigar-makers	98	3,568.00	36.4
	Harness-makers	184	6,241.00	46.5
	Jewelers	85	4,180.50	49.1
	Lithographers	4	98.00	24.0
	Printers	107	3,672.50	34.3
	Shoemakers	598	36,009.00	60.2
	Silversmiths	4	151.00	37.7
	Tailors	318	17,936.00	56.4
	Telegraphers	44	1,532.00	34.8
v.	Laborers,—No Special Trades	7,512	330,996.00	44.0
	Choppers.	8	285.00	35.6
	Ditchers	8	497.00	62.1
	Janitors.	21	1,236.50	58.8
	Laborers	6,325	283,647.50	44.8
	Loggers.	22	726.00	33.0
	Mill-hands	165	6,616.50	40.10
	Miners.	742	28,866.00	38.9
	Miscellaneous	121	5,542.50	45.8
	Porters	16	584.00	36.50
	Rivermen.	12	373.50	28.7
	Salt Packers	4	222.00	55.50
	Servants	27	1.056.50	39.13
	Well-diggers	13	514.50	39.58
	Woodsmen	27	828.50	30.69
VI.	Agents, Laborers Abroad, Etc	1,544	66,708.00	43.2
	Agents	82	3,829.00	46,70
	Baggagemen	19	737.50	38.8
	Brakemen	97	2,655.50	27,38

TABLE 99.—Continued.—Occupations of Decedents, Etc.

s.	Occupations,-15 Years, 1870-1884.	Number of	Age in Years and Hundredths of a Year.	
	Security 20 1000, 2010 CVII	Persons.	Aggregate.	Average
Ι.	Agents, Laborers Abroad, Etc.—(Continued.)			
	Butchers	191	8,682,50	45.4
	Collectors	8	373.00	46.6
	Commercial Travelers	27	1,105.50	40.
	Conductors	48	1,781.00	37.
	Constables	11	526,50	47.
	Draymen	67	3,518.50	52.
	Drovers	38	1,822.00	47.
	Hackmen	35	1,718.50	49.
	Hostlers	12	532.00	'   <b>44</b> .
	Hunters and Trappers	30	1,449.00	48
-	Jockeys	2	55.00	27
	Milk Peddlers	11	616.50	56
	Overseers and Superintendents.	26	1,172.00	45
	Peddlers	113	5,691.50	50
	Policemen	19	756.50	39
	Railroad Engineers	288	11,709.00	40
	Railroad Expressmen	12	544.00	: 45
	Railroad Firemen	46	1,496.00	32
	Railroad Laborers	124	4,715.00	38
	Railroad Men	35	1,609.50	45
	Sextons	7	387.50	55
	Switchmen	15	485.50	32
	Teamsters	157	7,383.50	47
	Tollgate-keepers	4	240.00	60
	Watchmen	15	767.50	51
	Whitewashers	5	348.50	69.
5	Seafaring Men	581	24,473.50	42.
l	Fishermen	105	4,876.50	46.
ĺ	Officers	38	1,868.00	49,
1	Sailors	433	17,438.50	<b>4</b> 0.
	United States Navy	5	290.50	58.
e	joldiers	<b>36</b>	1,840.00	51.
	***************************************	<b>5</b> ,	276.50	55.
	••••	31	1,563.50	50.

# VITAL STATISTICS OF MICHIGAN, 1884.

TABLE 99.—CONTINUED.—Occupations of Decedents, Etc.

<b>185.</b>	Occupations,—15 Years, 1870-1884.	Number of	Age in Years and Hundredths of a Year.	
		Persons.	Aggregate.	Average.
IX.	Business Men	3,588	167,685.00	47.4
	Auctioneers	2	93,00	46.5
	Bankers	79	4,579.50	57.9
	Book-keepers	180	7,256.00	40.3
	Capitalists	48	2,905.00	60.5
	Clerks	462	15,712.00	34.0
	Commission Merchants	18	968,00	53.7
	Contractors and Jobbers	49	2,758.50	56.3
	Druggists	98	4,278.00	43.6
	Express Men	1	44.50	44.5
	Furniture Dealers	6	261.00	43.5
	Grain Buyers	19	968.50	50.9
	Grocers	163	7,656.50	46.9
	Hatters	14	771.90	55.0
	Hotel Clerks	6	226.00	37.6
	Hotel-keepers	241	12,465.50	51.7
	Insurance Agents	49	2,553.50	52.1
	Justices of the Peace	31	2,062.50	66.5
	Liquor Dealers	15	646.50	43.1
	Liverymen	47	2,071.50	44.0
	Lumbermen	390	18,085.00	46.3
	Manufacturers	152	7,889.00	51.9
	Merchants	871	45,211.50	51.9
	News Agents	10	379.00	37.9
	Public Officers	115	6,006,50	52.2
	Real Estate Dealers	44	2,548.00	57.9
	Restaurant-keepers	20	936.00	46.8
	Salesmen	53	2,317.50	43.77
	Saloon-keepers	322	14,173.00	44,0
	Undertakers	15	791.50	52.7
	All others	18	1,071.00	59.50
x.	Professional Men	1,344	70,398.00	52.3
	Actors	7	300.50	42.8
	Architects.	10	467.00	46.70
	Artists	27	1,103.50	40.8
	Attorneys at Law	202	10,785.00	53.3
	Civil Engineers	37	2,131.50	57.61

TABLE 99.—CONTINUED.—Occupations of Decedents, Etc.

Class.	Occupations,—15 Years, 1870-1884.	Number of	Age in Years and Hundredths of a Year.	
		Persons.	Aggregate.	Average.
<b>X.</b> .	Professional Men—(Continued.)			
	Clergymen	258	16,582.00	64.27
	Dentists	40	1,790.00	44.7
	Draughtsmen	1	59.50	59.5
	Editors	30	1,349.00	44.9
	Judges	4	222,00	55.5
	Lecturers	2	100.00	50.0
	Musicians	39	1,670.50	42.8
	Photographers	13	479.50	36.8
	Physicians	405	23,032.50	56.8
	Students	68	1,578.00	23.2
	Surveyors	8	184.50	61.5
	Teachers	180	7,504.00	41.6
	Veterinary Surgeons	18	1,059.00	58.8
XI.	Unemployed	3,528	193,150.50	54.
	Paupers	104	6,096.00	58.0
	Pensioners	5	884.50	76.1
	Retired.	60	4,301.00	71.0
	Unemployed	1,216	71,588.00	58.
	Unknown	2,124	110,231.00	51.5
	All others	14	550.00	39.
XII.	Females.	* 38,159	1,794,808,50	49.
	Actresses	. 8	81.50	27.
	Agents	. 7	243.50	34.
	Artists	. 18	514.50	89.
	At Home	. 163	4,598.50	28.
	Basket-makers.	. 9	423.50	47.
	Boarding-house keepers.	. 19	1,127.50	59.
	Book-keepers	. 8	153.50	51.
	Cigar-makers.	. 8	91.50	30.
	Clerks	. 29	827.50	28.
	Confectioners.	. 6	259.00	43.
	Domestics	. 722	28,772.00	39.
	Dress-makers	. 231	7,805.50	33.
	Druggists	. 3	154,50	51
	Factory Employés	. 5	109.50	21.
	Farmers	2,081	113,167.50	54.

# VITAL STATISTICS OF MICHIGAN, 1884.

## TABLE 99.—Continued.—Occupations of Decedents, Etc.

Class.	Occupations,—15 Years, 1870-1884.	Number of	Age in Years and Hundredths of a Year.	
		Persons.	Aggregate.	Average.
XII.	Females—(Continued.)			
	Hair-dressers.	16	542.00	33.87
	Hotel-keepers	39	1,782.50	45,71
	Housekeepers	8,820	466,871.00	52.93
	Housewives	15,066	710,661.00	46.90
	House-workers	932	42,495.00	45.60
	Laborers	211	10,470.50	49.43
	Manufacturers	. 8	400.00	50.00
	Matrons	79	4,084.50	51.70
	Merchants	36	1,724.00	47.89
	Millers	8	424.00	53.00
	Milliners	130	4,761.00	36.62
	Ministers	3	135.50	45.17
	Miscellaneous	128	5,934.00	46,36
	Musicians	20	686.00	34.30
	Nurses	57	3,424.50	60.08
	Paupers	48	2,585.00	53.85
	Physicians	21	1,206.50	57.45
	Prostitutes	16	415.00	25.96
	Saloon-keepers.	1	4,402.50	44.72
	Seamstresses	!	7,633.00	40.60
	Spinsters	10	573.00	57.30
	Students	25	547.50	21.90
	Tailoresses	, 110	5,969.00	54.26
	Teachers		11,798.00	29.42
	Telegraphers	1	150.00	25.00
	Unemployed	: 1	183,729.50	56.41
	Unknown	: 1	158,002.50	51.48
	Washerwomen		2,342.50	45,93
	Weavers	89	5,994.50	67.35
	Widows		735.00	73.50
	W IUUWS.		100,00	13.10

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